


```
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match      100.0%; Score 77; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 4.7e-14;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGGTGGGGCACCACCCGCTTGC 60
DB      580576 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGGTGGGGGACACCCGCTTGC 580635
QY      61 GGGGGAGAGTGGCGCTG 77
DB      580636 GGGGGAGAGTGGCGCTG 580652

RESULT 3
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match      85.5%; Score 65.8; DB 3; Length 4403765;
Best Local Similarity 90.9%; Pred. No. 1.2e-10;
Matches 70; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGGTGGGGCACCACCCGCTTGC 60
DB      2713202 ATGCCCCGCGCGCGACGATGCGAGCGAAGCGATGAGTGGGGGCACTCCCGCTTGC 2713143
QY      61 GGGGGAGAGTGGCGCTG 77
DB      2713142 GGGGGAGAGCGCGCGCG 2713126

RESULT 4
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
```

```
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match      85.5%; Score 65.8; DB 3; Length 4411529;
Best Local Similarity 90.9%; Pred. No. 1.2e-10;
Matches 70; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCCGACGATGCGAGCGCTAGCGATGAGGTGGGGCACCACCCGCTTGC 60
DB      2716389 ATGCCCCGCGCGCGACGATGCGAGCGAAGCGATGAGGTGGGGGCACTCCCGCTTGC 2716330
QY      61 GGGGGAGAGTGGCGCTG 77
DB      2716329 GGGGGAGAGCGCGCGCG 2716313

RESULT 5
US-08-311-731A-137/c
; Sequence 137, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 40123 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
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ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 77.4%; Score 59.6; DB 3; Length 40123;
Best Local Similarity 87.8%; Pred. No. 5.7e-09;
Matches 65; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCGCCGACGATGAGCGTATGAGTGGGGGACCACTGGCTTGGC 61
DB 14289 TGAACCGCGCCGACGATGAGCAAGGAGGATGAGTGGGCTTCCGCTTGGC 14230
QY 62 GGGAGAGTGGCC 75
DB 14229 GGGAGAGCGACGC 14216

RESULT 6

US-08-311-731A-128/c
Sequence 128, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P. C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311, 731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 42988 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-128

Query Match 66.2%; Score 51; DB 3; Length 42988;
Best Local Similarity 80.0%; Pred. No. 2.3e-06;
Matches 60; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1 ATAGACTGCGCCGACGATGAGCGTATGAGTGGGGGACCACTGGCTTGGC 60
DB 39484 ATAGACTGCGCCGACGATGAGCAAGGAGGATGAGGCGCATCTCTGCTTGC 39425
QY 61 GGGAGAGTGGCC 75

DB 39424 AGGGAGCGGGCGC 39410

RESULT 7
US-08-311-731A-1
Sequence 1, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P. C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311, 731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 32155 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM TUBERCULOSIS
US-08-311-731A-1

Query Match 51.9%; Score 40; DB 3; Length 32155;
Best Local Similarity 89.6%; Pred. No. 0.0049;
Matches 43; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 28 CGTAGGATGAGTGGGGGACCACTGGCTTGGGGGAGAGTGGCC 75
DB 5089 CGAAGGATGAGTGGGGGATGCGCCCTTGGAGGAGAGGCGCC 5136

RESULT 8
US-08-311-731A-123/c
Sequence 123, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P. C.

```
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 123:
SEQUENCE CHARACTERISTICS:
LENGTH: 36470 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-123

Query Match          49.9%; Score 38.4; DB 3; Length 36470;
Best Local Similarity 70.8%; Pred. No. 0.015;
Matches 51; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 ATGACCTGGCCGCGACGATGACGAGCGTAGCGATGAGTGGGGGACCAACCCGCTTGC 60
DB 8938 ATGACCCCAACCGCGCGCTGTATTAAGAGAGGTGATGAGTGGGGGACCAACCGCTTGC 8879
QY 61 GGGGAGAGATGG 72
DB 8878 GGGGAGAGATGG 8867

RESULT 9
US-08-390-878-16
Sequence 16, Application US/08390878
Patent No. 5700683
GENERAL INFORMATION:
APPLICANT: Stover, Charles K.
APPLICANT: Mahairas, Gregory G.
TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend Kourie and Crew
STREET: One Market Plaza, Stewart Street Tower, 20th
FLOOR:
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,878
FILING DATE: 17-FEB-1995
CLASSIFICATION: 435
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ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 15371A-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/543/9600
TELEFAX: 415/543/5043
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 16885 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-390-878-16

Query Match          44.7%; Score 34.4; DB 2; Length 16885;
Best Local Similarity 86.4%; Pred. No. 0.23;
Matches 38; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 TGACCTGGCCGCGACGATGACGAGCGTAGCGATGAGTGGG 45
DB 784 TGACCCGCGCGCGGCGACGATGACAAAGCGACGATGAGAGAG 827

RESULT 10
US-08-311-731A-124/c
Sequence 124, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-1
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSER: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 36033 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-124

Query Match          42.6%; Score 32.8; DB 3; Length 36033;
```


Best Local Similarity 84.1%; Pred. No. 0.74;
Matches 37; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGAGCAGGCTGAGCGGCGG 45
Db 19181 TTATCGGTGCGGCGGACGATGCAAGCGCGATGAGTGAG 19138

RESULT 11
US-08-311-731A-138

; Sequence 138, Application US/08311731A
; Patent No. 658326
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311.731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
; US-08-311-731A-138

Query Match 42.3%; Score 32.6; DB 3; Length 35961;
Best Local Similarity 89.7%; Pred. No. 0.85;
Matches 35; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 9 CGCCGACGACGATGAGCGGCGGCGG 47
Db 10659 CGCCGACGACGATGAGCGGCGGCGG 10657

RESULT 12

; Sequence 25, Application US/09470191
; Patent No. 646563
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
; TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis

; FILE REFERENCE: 014058-008910US
; CURRENT APPLICATION NUMBER: US/09/470.191
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 60/113,952
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 25
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)...(263)
; OTHER INFORMATION: n = any nucleotide
US-09-470-191-25

Query Match 41.8%; Score 32.2; DB 3; Length 263;
Best Local Similarity 82.2%; Pred. No. 0.72;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGAGCAGGCTGAGCGGCGG 45
Db 252 ATGACCTGCGCGGACGAGCAGGCTGAGCGGCGG 208

RESULT 13
US-09-050-739-71

; Sequence 71, Application US/09050739
; Patent No. 6641814
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDMING, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/050.739
; CURRENT FILING DATE: 1998-03-30
; EARLIER APPLICATION NUMBER: 0376/97
; EARLIER FILING DATE: 1997-04-02
; EARLIER APPLICATION NUMBER: 1277/97
; EARLIER FILING DATE: 1997-11-10
; EARLIER APPLICATION NUMBER: 60/044,624
; EARLIER FILING DATE: 1997-04-18
; EARLIER APPLICATION NUMBER: 60/070,488
; EARLIER FILING DATE: 1998-01-05
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-050-739-71

Query Match 41.8%; Score 32.2; DB 3; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.86;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGAGCAGGCTGAGCGGCGG 45
Db 26 ACGGCCGCGCGGACGAGCAGGCTGAGCGGCGG 70

RESULT 14
US-09-072-596-271/c

; Sequence 271, Application US/09072596
; Patent No. 645836
; GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedrick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-596-271

Query Match 38.4%; Score 29.6; DB 3; Length 571;
Best Local Similarity 88.9%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGAGAGATGAGAGCGTAGCGATG 37
DB 60 TGATCCGCGCGGAGAGATGAGAGCGTAGCGATG 25

RESULT 15
US-09-072-967-276/c
Sequence 276, Application US/09072967
Patent No. 6592877
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Vedrick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle

STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 276:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-967-276

Query Match 38.4%; Score 29.6; DB 3; Length 571;
Best Local Similarity 88.9%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGAGAGATGAGAGCGTAGCGATG 37
DB 60 TGATCCGCGCGGAGAGATGAGAGCGTAGCGATG 25

Search completed: January 11, 2006, 18:36:31
Job time: 151.162 secs

APPLICANT: COLE, S.T.

```

; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match          100.0%; Score 77; DB 6; Length 86114;
Best Local Similarity 100.0%; Pred. No. 2.8e-16;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 60
DB 67175 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 67234

QY 61 GGGGAGAGTGGCGCTG 77
DB 67235 GGGGAGAGTGGCGCTG 67251

RESULT 3
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match          100.0%; Score 77; DB 7; Length 86114;
Best Local Similarity 100.0%; Pred. No. 2.8e-16;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 60
DB 67175 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 67234

QY 61 GGGGAGAGTGGCGCTG 77
DB 67235 GGGGAGAGTGGCGCTG 67251

RESULT 4
US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TREATMENT OF MYCOBACTERIOSES
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; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648

Query Match          100.0%; Score 77; DB 8; Length 86114;
Best Local Similarity 100.0%; Pred. No. 2.8e-16;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 60
DB 67175 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 67234

QY 61 GGGGAGAGTGGCGCTG 77
DB 67235 GGGGAGAGTGGCGCTG 67251

RESULT 5
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lochr, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2

Query Match          54.3%; Score 41.8; DB 6; Length 53;
Best Local Similarity 95.6%; Pred. No. 0.00027;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 45
DB 1 ATGACCTGCGCCGACGATGACAGCGGTAGCGATGAGTGGGGGACACCCCGCTTGC 45

RESULT 6
US-10-755-415-137
; Sequence 137, Application US/10755415
; Publication No. US20050136480A1
; GENERAL INFORMATION:
; APPLICANT: BRAHMACHARI, SAMIR KUMAR
; APPLICANT: DASH, DEBASIS
; APPLICANT: SHARMA, RAMAKANT
; APPLICANT: MAHESHWARI, JITENDRA KUMAR
```

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; TITLE OF INVENTION: A COMPUTER BASED VERSATILE METHOD FOR IDENTIFYING PROTEIN CODING
; FILE REFERENCE: DNA SEQUENCES USEFUL AS DRUG TARGETS
; CURRENT APPLICATION NUMBER: US/10/755,415
; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: 10/727,989
; PRIOR FILING DATE: 2003-12-05
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 137
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-755-415-137

Query Match      51.9%; Score 40; DB 9; Length 471;
Best Local Similarity 89.6%; Pred. No. 0.00088;
Matches 43; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Dy      28 CGTAGCATGAGTGGGGGCGACCCGCTTGCGGGGAGAGTGCGCG 75
Db      33 CGAAGCATGAGTGGGGGCGACCCCGCTTGCGAGGAGAGCGCGCG 80

RESULT 7
US-10-282-122A-26639
; Sequence 26639, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26639
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26639

Query Match      48.8%; Score 37.6; DB 7; Length 975;
Best Local Similarity 90.9%; Pred. No. 0.0052;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Dy      32 GCGATGAGTGGGGGCGACCCGCTTGCGGGGAGAGTGCGCG 75
Db      895 GCGATGAGTGGGGGCGACCTCCGCTTGCGAGGAGAGACCGCGC 938

RESULT 8
US-10-481-265-96
; Sequence 96, Application US/10481265
; Publication No. US20040254349A1
; GENERAL INFORMATION:
; APPLICANT: James, Brian William
; APPLICANT: Bacon, Joanna
; APPLICANT: Marsh, Philip
; APPLICANT: James, Brian William
; TITLE OF INVENTION: Mycobacterial Antigens Expressed Under Low Oxygen Tension
; FILE REFERENCE: 1581.1020000
; CURRENT APPLICATION NUMBER: US/10/481,265
; CURRENT FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: GB 0115365.9
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: GB 0121780.1
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: PCT/GB02/02845
; PRIOR FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-481-265-96

Query Match      48.8%; Score 37.6; DB 8; Length 975;
Best Local Similarity 90.9%; Pred. No. 0.0052;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Dy      32 GCGATGAGTGGGGGCGACCCGCTTGCGGGGAGAGTGCGCG 75
Db      895 GCGATGAGTGGGGGCGACCTCCGCTTGCGAGGAGAGACCGCGC 938

RESULT 9
US-10-282-122A-28344
; Sequence 28344, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
```

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; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; LENGTH: 978
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28344

Query Match
Best Local Similarity 48.8%; Score 37.6; DB 7; Length 978;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Cy 32 GCGATGAGTGGGGGACCAACCGCTTGGCGGGAGAGTGGCGC 75
Db 895 GCGATGAGTGGGGGACCTCCCGCTTGCAGGGGAGAACGCGCG 938

RESULT 10
US-10-282-122A-26508
; Sequence 26508, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zvekind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
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; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26508
; LENGTH: 1803
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26508

Query Match
Best Local Similarity 47.0%; Score 36.2; DB 7; Length 1803;
Matches 38; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Cy 35 ATGAGTGGGGGACCAACCGCTTGGCGGGAGAGTGGCGC 75
Db 1760 ATGAGTGGGGGACCTCCCGCTTGCAGGGGAGAGCGCGC 1800

RESULT 11
US-10-510-021-2
; Sequence 2, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Leclerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 13773
; TYPE: DNA
; ORGANISM: mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Complete DNA sequence of RD1 Rv3867-3877
US-10-510-021-2

Query Match
Best Local Similarity 44.7%; Score 34.4; DB 9; Length 13773;
Matches 38; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Cy 2 TGACCTGGCGCGGACGATGCAAGGCTAGCGATGAGTGGGG 45
Db 5953 TGACCGCGCGCGGACGATGCAAGCGCAGCATGAGAGAG 5996

RESULT 12
US-10-510-021-1
; Sequence 1, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Leclerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 13773
; TYPE: DNA
; ORGANISM: mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Complete DNA sequence of RD1 Rv3867-3877
US-10-510-021-2
```

FILE REFERENCE: D20217
CURRENT APPLICATION NUMBER: US/10/510,021
CURRENT FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: PCT/IB03/01789
PRIOR FILING DATE: 2003-04-01
PRIOR APPLICATION NUMBER: EP 02/290864
PRIOR FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 31808
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: Insert of cosmid RD1-2f9 corresponding to sequence
OTHER INFORMATION: in the genome of mycobacterium tuberculosis H37Rv
US-10-510-021-1

Query Match 44.7%; Score 34.4; DB 9; Length 31808;
Best Local Similarity 86.4%; Pred. No. 0.045;
Matches 38; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGAGATGACAGCGTAGCGATGAGTGCGG 45
DB 11914 TGACCGCGCGCGGACGAGATGCAAGCGGACGATGAGAGAG 11957

RESULT 13
US-09-791-171-71
Sequence 71, Application US/09791171
Patent No. US20020094336A1
GENERAL INFORMATION:
APPLICANT: ANDERSEN, Peter
APPLICANT: NIELSEN, Rikke
APPLICANT: OETTINGER, Thomas
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDINGH, Karin
APPLICANT: FLORIO, Walter
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
FILE REFERENCE: 670001-2002.1
CURRENT APPLICATION NUMBER: US/09/791,171
CURRENT FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/050,739
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 0376/97
PRIOR FILING DATE: 1997-04-02
PRIOR APPLICATION NUMBER: 1277/97
PRIOR FILING DATE: 1997-11-10
PRIOR APPLICATION NUMBER: 60/044,624
PRIOR FILING DATE: 1997-04-18
PRIOR APPLICATION NUMBER: 60/070,488
PRIOR FILING DATE: 1998-01-05
NUMBER OF SEQ ID NOS: 173
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

Query Match 41.8%; Score 32.2; DB 3; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.31;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGAGATGACAGCGTAGCGATGAGTGCGG 45
DB 26 ACGGCGCGCGCGGACGAGATGCAAGCGGACGATGAGAGAG 70

RESULT 14
US-09-804-980-71

Sequence 71, Application US/09804980
Publication No. US20030147897A1
GENERAL INFORMATION:
APPLICANT: Statens Serum Institut
APPLICANT: Andersen, Peter
TITLE OF INVENTION: M. tuberculosis Antigens
FILE REFERENCE: 670001-2002.4
CURRENT APPLICATION NUMBER: US/09/804,980
CURRENT FILING DATE: 2001-03-12
NUMBER OF SEQ ID NOS: 257
SOFTWARE: PatentIn version 3.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

Query Match 41.8%; Score 32.2; DB 3; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.31;
Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGAGATGACAGCGTAGCGATGAGTGCGG 45
DB 26 ACGGCGCGCGCGGACGAGATGCAAGCGGACGATGAGAGAG 70

RESULT 15
US-10-620-246-71
Sequence 71, Application US/10620246
Publication No. US20040115211A1
GENERAL INFORMATION:
APPLICANT: ANDERSEN, Peter
APPLICANT: NIELSEN, Rikke
APPLICANT: OETTINGER, Thomas
APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDINGH, Karin
APPLICANT: FLORIO, Walter
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
FILE REFERENCE: 670001-2002.1A
CURRENT APPLICATION NUMBER: US/10/620,246
CURRENT FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: 09/050,739
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 0376/97
PRIOR FILING DATE: 1997-04-02
PRIOR APPLICATION NUMBER: 1277/97
PRIOR FILING DATE: 1997-11-10
PRIOR APPLICATION NUMBER: 60/044,624
PRIOR FILING DATE: 1997-04-18
PRIOR APPLICATION NUMBER: 60/070,488
PRIOR FILING DATE: 1998-01-05
PRIOR APPLICATION NUMBER: 10/138,473
PRIOR FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 09/791,171
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/415,884
PRIOR FILING DATE: 1999-10-08
PRIOR APPLICATION NUMBER: 60/116,673
PRIOR FILING DATE: 1999-01-21
PRIOR APPLICATION NUMBER: 1281/98
PRIOR FILING DATE: 1998-10-08
NUMBER OF SEQ ID NOS: 173
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

Query Match 41.8%; Score 32.2; DB 7; Length 1890;
Best Local Similarity 82.2%; Pred. No. 0.31;

Matches 37; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 ATGACCTGCGCCGACGACGATGCGAGCGGTAGCGATGAGGTGGG 45

Db 26 ACGGCCCGCGCCGCGCGACGATGCGAAGCGCGCGATGAGGAGGAG 70

Search completed: January 11, 2006, 21:19:33

Job time : 618.408 secs


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; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/566,280
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 78869
; TYPE: DNA
; ORGANISM: Sorangium cellulosum
US-11-075-185-1
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```
Query Match      38.7%; Score 29.8; DB 7; Length 78869;
Best Local Similarity 63.0%; Pred. No. 2.3;
Matches 46; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
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```
OY      2  TGACCTGCGCCGACGACGATGCGATGAGTGGGGGACCAACCGCTTGG 61
Db      46769  TGCCCCCGCCCTCGACGATGTGAGCGTGGGATTTGGCGCGCGACCGCTTGG 46710
```

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OY      62  GGGGAGGTGCG 74
Db      46709  GCGTGATGTGCG 46697
```

```
RESULT 3
US-11-181-587-25/c
; Sequence 25, Application US/11181587
; Publication No. US20050266492A1
; GENERAL INFORMATION:
; APPLICANT: Keim, Paul S.
; APPLICANT: Spurgiesz, Robert S.
; TITLE OF INVENTION: High Resolution Typing System for Pathogenic Mycobacterium Tuberc
; FILE REFERENCE: 112624.00085 DIV
; CURRENT APPLICATION NUMBER: US/11/181,587
; CURRENT FILING DATE: 2005-07-13
; PRIOR APPLICATION NUMBER: US 60/397,224
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 25
; LENGTH: 647
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Mycobacterium tuberculosis amplicon
US-11-181-587-25
```

```
Query Match      38.4%; Score 29.6; DB 7; Length 647;
Best Local Similarity 79.5%; Pred. No. 3.1;
Matches 35; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

```
OY      30  TAGGATGAGGTGGGGGACCAACCGCTTGGCGGGGAGAGTGGC 73
Db      363  TGGTGTGATGACTGGGGGACCTCCGCTTGGCGGGGAGTGGCC 320
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```
RESULT 4
US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
```

```
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-526
```

```
Query Match      37.7%; Score 29; DB 6; Length 173;
Best Local Similarity 86.5%; Pred. No. 4.8;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
OY      9  CGCCGACGACGATGACAGCGGTAGCGATGAGTGGGG 45
Db      76  CGCCGCGACGATGCCAGCGCGACGATGAGAGAG 40
```

```
RESULT 5
US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-597
```

```
Query Match      37.7%; Score 29; DB 6; Length 234;
Best Local Similarity 86.5%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
OY      9  CGCCGACGACGATGACAGCGGTAGCGATGAGTGGGG 45
Db      84  CGCCGCGACGATGCCAGCGCGACGATGAGAGAG 48
```

```
RESULT 6
US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
```

```
; APPLICANT: GORDON, STEPHEN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-586
```

```
Query Match 37.7%; Score 29; DB 6; Length 241;
Best Local Similarity 86.5%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 9 CGCCGACGACGATGCAGAGCGTACCGATGAGTGGGG 45
DB 64 CGCCGCGACGATGCCGAGCGCAGCGATGAGAGGAG 28
```

```
RESULT 7
US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-635
```

```
Query Match 37.7%; Score 29; DB 6; Length 376;
Best Local Similarity 86.5%; Pred. No. 4.7;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 9 CGCCGACGACGATGCAGAGCGTACCGATGAGTGGGG 45
DB 87 CGCCGCGACGATGCCGAGCGCAGCGATGAGAGGAG 51
```

```
RESULT 8
US-10-802-796-521/c
```

```
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-521
```

```
Query Match 37.7%; Score 29; DB 6; Length 406;
Best Local Similarity 86.5%; Pred. No. 4.6;
Matches 32; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 9 CGCCGACGACGATGCAGAGCGTACCGATGAGTGGGG 45
DB 59 CGCCGCGACGATGCCGAGCGCAGCGATGAGAGGAG 23
```

```
RESULT 9
US-10-802-796-60/c
; Sequence 60, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.2
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
```

```
FEATURE:
; NAME/KEY: modified_base
; LOCATION: (154)..(155)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (322)
; OTHER INFORMATION: a, t, c or g
```

```
FEATURE:
; NAME/KEY: modified_base
; LOCATION: (334)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (347)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-60
```

```
Query Match          35.1%; Score 27; DB 6; Length 448;
Best Local Similarity 85.7%; Pred. No. 18;
Matches 30; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      11  CCGACGATGCGAGCGTAGCGATGAGTGCGG 45
Db      428  CCGGGGACGATGCGAGCGAGGAGCGATGAGGAGGAG 394
```

```
RESULT 10
US-11-000-688-245
; Sequence 245, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOUUGATE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 245
; LENGTH: 2627
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(2627)
; OTHER INFORMATION: phospholipase C, delta 1(PLCD1) gene.
US-11-000-688-245
```

```
Query Match          34.5%; Score 26.6; DB 7; Length 2627;
Best Local Similarity 63.1%; Pred. No. 22;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
```

```
Qy      13  GACGACGATGCGAGCGTAGCGAGTGCGGCGACCCCGCTTGCGGGGAGAGTG 72
Db      1393  GAAATCTCTGCTGAAGGAGGAGAGCTCGGGGGCTCTCCCTCTGAGGGGAGGGTGG 1452
```

```
Qy      73  CGCTG 77
Db      1453  CCCTG 1457
```

```
RESULT 11
US-10-972-053-3/c
; Sequence 3, Application US/10972053
; Publication No. US20050255489A1
; GENERAL INFORMATION:
; APPLICANT: Pierce, James Michael
; APPLICANT: Kamatr, Maria
; APPLICANT: Lee, Jin-Ryu
; APPLICANT: Kaneko, Mika
; TITLE OF INVENTION: N-Acetylglucosaminyltransferase Vb Coding Sequences, Recombinant
; FILE REFERENCE: 49-02A
; CURRENT APPLICATION NUMBER: US/10/972,053
```

```
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: PCT/US03/091402
; PRIOR FILING DATE: 2003-04-23
; PRIOR APPLICATION NUMBER: US 60/375,172
; PRIOR FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 3370
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (369)..(2744)
US-10-972-053-3
```

```
Query Match          33.8%; Score 26; DB 6; Length 3370;
Best Local Similarity 62.1%; Pred. No. 32;
Matches 41; Conservative 0; Mismatches 25; Indels 0; Gaps 0;
```

```
Qy      12  CGACGATGCGAGCGTAGCGATGAGTGCGGGGACCAACCCGCTTGCGGGGAGAGTG 71
Db      286  CGAAGCGCTGCGGGCGCGAAGCCGGGGGTCGCGAGCACCGAGGAGAGCGGGGACGCTG 227
```

```
Qy      72  GCGCTG 77
Db      226  GCTCTG 221
```

```
RESULT 12
US-10-802-796-567
; Sequence 567, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 567
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (123)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (15)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (20)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (23)
; OTHER INFORMATION: a, t, c or g
```

FEATURE:
NAME/KEY: modified_base
LOCATION: (93)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (205)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (262)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (275)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (327)
OTHER INFORMATION: a, t, c or g
US-10-802-796-567

Query Match 33.0%; Score 25.4; DB 6; Length 374;
Best Local Similarity 76.3%; Pred. No. 52;
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 8 GCCGCCGACGATGCGATGAGTGGGG 45
DB 251 GCCGCCGACGATGCGATGAGTGGGG 288
RESULT 13
US-11-136-527-3025/c
Sequence 3025, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: Mounts, William M
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: Patent version 3.2
SEQ ID NO 3025
LENGTH: 3334
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
LOCATION: (690)..(690)
OTHER INFORMATION: n is a, c, g, or t
US-11-136-527-3025

Query Match 32.7%; Score 25.2; DB 7; Length 3334;
Best Local Similarity 62.9%; Pred. No. 55;
Matches 39; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 8 GCCGCCGACGATGCGATGAGTGGGGGACACCCGCTTGGGGGAG 67
DB 1089 GCCGCCGACGATGCGATGAGTGGGGGACACCCGCTTGGGGGAG 1030
QY 68 AG 69
DB 1029 AG 1028

RESULT 14
US-10-995-561-9472
Sequence 9472, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9472
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9472

Query Match 32.5%; Score 25; DB 6; Length 201;
Best Local Similarity 64.9%; Pred. No. 69;
Matches 37; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 15 CCAGATGACGATGCGATGAGTGGGGGACACCCGCTTGGGGGAGAGTG 71
DB 25 CCAGATGACGATGCGATGAGTGGGGGACACCCGCTTGGGGGAGAGTG 81
RESULT 15
US-10-995-561-9482
Sequence 9482, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9482
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9482

Query Match 32.5%; Score 25; DB 6; Length 201;
Best Local Similarity 64.9%; Pred. No. 69;
Matches 37; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 15 CCAGATGACGATGCGATGAGTGGGGGACACCCGCTTGGGGGAGAGTG 71
DB 25 CCAGATGACGATGCGATGAGTGGGGGACACCCGCTTGGGGGAGAGTG 81

Search completed: January 11, 2006, 21:28:52
Job time: 329.992 secs

SECRET


```
RESULT 2
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match          94.6%; Score 195.8; DB 3; Length 4411529;
Best Local Similarity 99.0%; Pred. No. 2.5e-42;
Matches 197; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCGCGACGACGATGACGCTGAGCGATGAGGTGGGGGACCACTCCGCTTGC 60
DB      580576 ATGACCTGCGCGCGACGACGATGACGCTGAGCGATGAGGTGGGGGACCACTCCGCTTGC 580635

QY      61 GGGGGAGAGTGGCGCTGTATGACCTGCGCGCGACGACGATGACGAGCGTGAAGCGATGAGGTGG 120
DB      580636 GGGGGAGAGTGGCGCTGTATGACCTGCGCGCGACGACGATGACGAGCGTGAAGCGATGAGGTGG 580695

QY      121 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGTATGACCTGCGCGCGACGACGATGACGAGA 180
DB      580696 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGTATGACCTGCGCGCGACGACGATGACGAGA 580755

QY      181 GCGTAGCGATGAGGAGGAG 199
DB      580756 GCGTAGCGATGAGGAGGAG 580774

RESULT 3
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match          33.9%; Score 70.2; DB 3; Length 4403765;
Best Local Similarity 90.4%; Pred. No. 2.7e-09;
Matches 75; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
```

```
QY      1 ATGACCTGCGCGCGACGACGATGACGAGCGTGAAGCGATGAGGTGGGGGACCACTCCGCTTGC 60
DB      2713202 ATGCCCCGCGCGCGACGACGATGACGAGCGAAGCGATGAGGTGGGGGACCACTCCGCTTGC 2713143

QY      61 GGGGGAGAGTGGCGCTGTATGACC 83
DB      2713142 GGGGGAGAGCGCGCGGTGACC 2713120

RESULT 4
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match          33.9%; Score 70.2; DB 3; Length 4411529;
Best Local Similarity 90.4%; Pred. No. 2.7e-09;
Matches 75; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      1 ATGACCTGCGCGCGACGACGATGACGAGCGTGAAGCGATGAGGTGGGGGACCACTCCGCTTGC 60
DB      2716389 ATGCCCCGCGCGCGACGACGATGACGAGCGAAGCGATGAGGTGGGGGACCACTCCGCTTGC 2716330

QY      61 GGGGGAGAGTGGCGCTGTATGACC 83
DB      2716329 GGGGGAGAGCGCGCGGTGACC 2716307

RESULT 5
US-08-311-731A-137/c
; Sequence 137, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
```


ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 137:
SEQUENCE CHARACTERISTICS:
LENGTH: 40123 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 29.8%; Score 61.6; DB 3; Length 40123;
Best Local Similarity 79.3%; Pred. No. 3e-07; Mismatches 19; Indels 0; Gaps 0;
Matches 73; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 2 TGACCTGCGCCGACGACGATGCGAGCGGTAGCGATGAGTGGGGGCACACCGCTTGGCG 61
Db 14289 TGAACCGCGCCGACGACGATGCGAAGCGAAGCGATGAGTGGGGGTACTTCCCGCTTGGCG 14230

QY 62 GGGGAGAGTGGCGCTGATGACCTGCGCCGACG 93
Db 14229 GGGGAGAGCGACGACGCGTGAACGCGAGTCTCG 14198

RESULT 6
US-08-311-731A-1
Sequence 1, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 32155 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM TUBERCULOSIS
US-08-311-731A-1

Query Match 28.3%; Score 58.6; DB 3; Length 32155;
Best Local Similarity 67.6%; Pred. No. 1.8e-06;
Matches 125; Conservative 0; Mismatches 34; Indels 26; Gaps 2;

QY 28 CGTAGCGATGAGTGGGGGCACACCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCG 87
Db 4990 CGAAGCGATGAGTGGGGGTACCGCCGCTTGGCGAGAGC--GGCGAGATGACGACCG 5047

QY 88 CCGACGACGATGAGAG-----CGTAGCGATGAGTGGGGG 123
Db 5048 CCGCGACGATGAGAGTGGGGGTACCGCCGCTTGGCGGGGACGAGCGATGAGTGGGGG 5107

QY 124 CACACCGCGCTTGGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGAGCG 183
Db 5108 TACCGCGCTTGGCGAGGAGAGCGCGACCTTGAACCGATGATGCGGTGTGCGCGG 5167

QY 184 TACCG 188
Db 5168 AGCGG 5172

RESULT 7
US-08-311-731A-128/c
Sequence 128, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 42988 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE

US-08-311-731A-128

Query Match 27.7%; Score 57.4; DB 3; Length 42988;
Best Local Similarity 71.0%; Pred. No. 3.9e-06;
Matches 76; Conservative 0; Mismatches 31; Indels 0; Gaps 0;

QY 65 GAGAGTGGCCCTGATGACCTTGGCCGACGACGATGACGAGGTGACGATGAGGTGGGGCC 124
DB 39497 GTGGGATGGCGCGCATGACCGGTACCGGACGATGACGAAAGCAATGAGGCGCGCC 39438
QY 125 ACCACCGCGCTTGGCGGGAGAGTGGCGCTGATGACCTTGGCCGACGA 171
DB 39437 ATCTCTGCTTGGCAGGGAGCGGGCGCGCAATGACGACGCTTGGGA 39391

RESULT 8

US-08-390-878-16
; Sequence 16, Application US/08390878
; Patent No. 570683
; GENERAL INFORMATION:
; APPLICANT: Stover, Charles K.
; APPLICANT: Mahairas, Gregory G.
; TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Stuart Street Tower, 20th
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,878
; FILING DATE: 17-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 15371A-17
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/543/9600
; TELEFAX: 415/543/5043
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16885 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-390-878-16

Query Match 24.7%; Score 51.2; DB 2; Length 16885;
Best Local Similarity 61.3%; Pred. No. 0.00015;
Matches 114; Conservative 0; Mismatches 48; Indels 24; Gaps 1;

QY 20 ATGCAGAGCGTAGAGTGGGGGACCAACCGCTTGGCGGGAGAGTGGCGCTGAT 79
DB 725 AAGCGCGCGCATTCACAGGTTCACCGCGGACCGGTTCTCGAAGAGCGCGACACCGT 784
QY 80 GACCTGGCGCGACGACGATGACGAGCGTGAAGTGGGGGACCAACCGCTTGGCG 139
DB 785 GACCGCGCGCGACGATGCAAGCGGACGAGATGAGAG----- 824
QY 140 GGGAGAGTGGCGCTGATGACCTTGGCGCGACGATGACGAGCGTGAAGTGAAGAGAG 199
DB 825 -----GAGCGCGCGCAACGAGCGCGCGCGCGACGATGCAAGCGACGAGTGAAGAGAG 880

QY 200 TGGCGC 205
DB 881 CGCGCGC 886

RESULT 9

US-09-050-739-71
; Sequence 71, Application US/09050739
; Patent No. 6641814
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OESTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; FILE REFERENCE: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/050,739
; EARLIER FILING DATE: 1998-03-30
; EARLIER APPLICATION NUMBER: 0376/97
; EARLIER FILING DATE: 1997-04-02
; EARLIER APPLICATION NUMBER: 1277/97
; EARLIER FILING DATE: 1997-11-10
; EARLIER APPLICATION NUMBER: 60/044,624
; EARLIER FILING DATE: 1997-04-18
; EARLIER APPLICATION NUMBER: 60/070,488
; EARLIER FILING DATE: 1998-01-05
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-09-050-739-71

Query Match 22.8%; Score 47.2; DB 3; Length 1890;
Best Local Similarity 80.9%; Pred. No. 0.0013;
Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 138 GGGGAGAGTGGCGCGCTGATGACCTTGGCGCGACGACGATGACGAGCGTGAAGTGAAGAG 197
DB 9 GAGGAGGAGCGCGCGCCACGCGCGCGCGCGCGACGATGCAAGCGGACGATGAGAGAG 68
QY 198 AGTGGCGC 205
DB 69 AGCGCGCGC 76

RESULT 10

US-09-949-016-16424/C
; Sequence 16424, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYBORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1801307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16424
; LENGTH: 112465
; TYPE: DNA

TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 38494 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-24

Query Match 18.7%; Score 38.8; DB 3; Length 38494;
Best Local Similarity 86.0%; Pred. No. 0.3;
Matches 43; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 156 TGACCTGGCGCCGACGATGAGAGCGTACGATGAGAGAGTGGCGC 205
Db 6918 TGATCCGGCGCGCTACGATCGGAGCTAAGCAGATGAGAGAGTGGCGC 6869

RESULT 14
US-08-311-731A-123/C
Sequence 123, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent'n Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 123:
SEQUENCE CHARACTERISTICS:
LENGTH: 36470 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-123

Query Match 18.6%; Score 38.4; DB 3; Length 36470;

Best Local Similarity 70.7%; Pred. No. 0.38;
Matches 65; Conservative 0; Mismatches 26; Indels 1; Gaps 1;

Qy 1 ATGACCTGCCCGACGACGATGACAGAGCGTAGAGATGAGTGGGGGACACCGCTTGC 60
Db 8938 ATGACCCCAACCGGACGCTGTATTAAGAGGTGATGAGTGGGGGACACATCGCTTGC 8879

Qy 61 GGGGGAGAGT-GGCGCTGATGACCTGCGCCGA 91
Db 8878 GGGGGAGATCGGCGCTCATGACCTGCGCGGA 8847

RESULT 15
US-09-949-016-21806/C
Sequence 21806, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 21806
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-21806

Query Match 18.4%; Score 38; DB 3; Length 601;
Best Local Similarity 49.0%; Pred. No. 0.31;
Matches 98; Conservative 1; Mismatches 101; Indels 0; Gaps 0;

Qy 4 ACCTGGCCCGACGACGATGACAGCGTAAAGGATGAGTGGGGGACACCGCTTGGGG 63
Db 467 AGCCAGACCCCGCTCGGAACTGAGGAGTGTCTTCCCCCGCCACCCCGCTTGGGA 408

Qy 64 GGAAGTGGCGCTGATGACCTGCGCCGACGACGATGACAGAGCGTAGAGTGGGGG 123
Db 407 GGTAGAGAGCTCTCTGACGGGCGGCCCATCTGAAGAAGTGAAGAGCCCTCCGCGGC 348

Qy 124 CACCAACCGCTTGGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACAGAGC 183
Db 347 AGCCACCCGTTGCGGAGAGTGGGGGCGCTTGGCCCGCGCCCACTGGGAAGTAGAG 288

Qy 184 TAGGATGAGAGAGATGGC 203
Db 287 GAGCCCTTGGCTGTGGTGC 268

Search completed: January 12, 2006, 03:32:13
Job time : 197 secs

OM nucleic - nucleic search, using sw model

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Title:      SEQ1-SEQ1-SEQ2
Perfect score: 207
Sequence:   1 atgacctgccccgacgacga.....gatgagagagagtgcgcctg 207
```

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues
Total number of hits satisfying chosen parameters: 19587084

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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2: /cgn2_6/prodata/1/pubnpa/US08_PUBCOMB.seq.*
3: /cgn2_6/prodata/1/pubnpa/US09A_PUBCOMB.seq.*
4: /cgn2_6/prodata/1/pubnpa/US09B_PUBCOMB.seq.*
5: /cgn2_6/prodata/1/pubnpa/US10A_PUBCOMB.seq.*
6: /cgn2_6/prodata/1/pubnpa/US10B_PUBCOMB.seq.*
7: /cgn2_6/prodata/1/pubnpa/US10C_PUBCOMB.seq.*
8: /cgn2_6/prodata/1/pubnpa/US10D_PUBCOMB.seq.*
9: /cgn2_6/prodata/1/pubnpa/US10E_PUBCOMB.seq.*
10: /cgn2_6/prodata/1/pubnpa/US11_PUBCOMB.seq.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

Result No.	Query Score	Match Length	DB ID	Description
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1	195.8	94.6	8611.4	6	US-10-080-170-648	Sequence 648, App
2	195.8	94.6	8611.4	7	US-10-080-170-648	Sequence 648, App
3	195.8	94.6	8611.4	8	US-10-080-170-648	Sequence 648, App
4	77	37.2	77	6	US-10-086-206-1	Sequence 1, Appl1
5	66.4	32.1	978	7	US-10-282-122A-28344	Sequence 28344, A
6	63.4	30.6	975	7	US-10-282-122A-26639	Sequence 26639, A
7	63.4	30.6	975	8	US-10-481-265-96	Sequence 96, Appl1
8	53	25.6	53	6	US-10-086-206-2	Sequence 2, Appl1
9	51.2	24.7	13773	9	US-10-510-021-2	Sequence 2, Appl1
10	51.2	24.7	31808	9	US-10-510-021-1	Sequence 1, Appl1
11	47.2	22.8	1890	3	US-09-791-171-71	Sequence 71, Appl1
12	47.2	22.8	1890	3	US-09-804-980-71	Sequence 71, Appl1
13	47.2	22.8	1890	3	US-10-620-246-71	Sequence 71, Appl1
14	47	22.7	471	9	US-10-755-415-137	Sequence 137, App
15	44	21.3	656	4	US-09-925-065A-506108	Sequence 506108, App
16	44	21.3	2437	8	US-10-602-994-55	Sequence 55, Appl1
17	43.8	21.2	191584	7	US-10-332-881-80	Sequence 800, App
18	43.6	21.1	359	7	US-10-437-963-30378	Sequence 30378, App
19	43.6	21.1	629	4	US-09-925-065A-506107	Sequence 506107, App
20	39.8	19.2	584	7	US-10-437-963-99114	Sequence 99114, A
21	39.8	19.2	663	7	US-10-435-114-24954	Sequence 24954, A
22	39.8	19.2	667	8	US-10-435-115-101875	Sequence 101875, A
23	39.6	19.1	936	7	US-10-282-122A-26008	Sequence 26008, A

24	38	18.4	401	8	US-10-425-115-11718	Sequence 111718
c 25	37.6	18.2	571	6	US-10-193-002-271	Sequence 271, App
c 26	37.6	18.2	571	6	US-10-084-843-276	Sequence 276, App
c 27 ^a	37.6	18.2	571	10	US-11-028-898-276	Sequence 276, App
c 28	37.6	18.2	571	10	US-11-082-021-271	Sequence 271, App
c 29	37.6	18.2	2169	6	US-10-156-761-5655	Sequence 5695, App
c 30	37.6	18.2	9025608	6	US-10-156-761-1	Sequence 1, Appl
c 31	37.2	18.0	2425	6	US-10-108-2608-190	Sequence 190, App
c 32	37.2	18.0	4433999	8	US-10-719-993-6787	Sequence 6787, App
c 33	37.2	18.0	2840917	5	US-10-027-653-114763	Sequence 174763, App
c 34	37.2	18.0	29400917	6	US-10-027-631-14763	Sequence 14763, App
c 35	36.8	17.8	584	7	US-10-767-701-4186	Sequence 4186, App
c 36	36.6	17.8	3921	8	US-10-723-860-7158	Sequence 7158, App
c 37	36.6	17.7	173	6	US-10-359-678-525	Sequence 525, App
c 38	36.6	17.7	224	6	US-10-359-678-597	Sequence 597, App
c 39	36.6	17.7	241	6	US-10-359-678-586	Sequence 586, App
c 40	36.6	17.7	376	6	US-10-359-678-521	Sequence 635, App
c 41	36.6	17.7	405	6	US-10-425-115-141320	Sequence 521, App
c 42	36.6	17.7	415	8	US-10-425-115-141320	Sequence 141320, App
c 43	36.6	17.7	4167	3	US-09-764-878-282	Sequence 282, App
c 44	36.6	17.7	4167	3	US-09-764-860-1145	Sequence 1145, App
c 45	36.6	17.7	4167	3	US-09-764-846-345	Sequence 345, App

```

RESULT 1
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495, 0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

```

Query Match	94.6%;	Score 195.8;	DB 6;	Length 8614;
Best Local Similarity	99.0%;	Pred. No. 1.9e-48;		
Matches 197;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;

QY	1	ATGACCTGCGCCGACGACGATGCAGACCGTATGCGATGAGGTGGGGGACACACCCCGCTTGC	60
Db	67175	ATGACCTGCGCCGACGACGATGCAGAGCGTATGAGGTGGGGGACACACCCCGCTTGC	67233
QY	61	GGGGGAGTGGCCCTGATGACCTTGGCCCGACGACGATGCAGAGCGTATGAGGTGG	120
Db	67235	GGGGGAGTGGCCCTGATGACCTTGGCCCGACGACGATGCAGAGCGTATGAGGTGG	67229
QY	121	GGGACACACCCCGCTTGGGGGGAGATGGCGCTTATATACCTTGCACGACGATGACGA	180
Db	67255	GGGACACACCCCGCTTGGGGGGAGATGGCGCTTATATACCTTGCACGACGATGACGA	67355
QY	181	GCGTAGCGATGAGGAGAG	199
Db	67355	GCGTAGCGATGAGGTGGG	67373

RESULT 2
US-10-080-170-648
/ Sequence 648, Application US/10080170

```
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495,0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
```

```
Query Match 94.6%; Score 195.8; DB 7; Length 86114;
Best Local Similarity 99.0%; Pred. No. 1.9e-48;
Matches 197; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
DB 67175 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 67234
QY 61 GGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 120
DB 67235 GGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 67294
QY 121 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGA 180
DB 67295 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGA 67354
QY 181 GCGTAGCGATGAGAGAG 199
DB 67355 GCGTAGCGATGAGAGTGG 67373
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RESULT 3
US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 05394,0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648
```

```
Query Match 94.6%; Score 195.8; DB 8; Length 86114;
Best Local Similarity 99.0%; Pred. No. 1.9e-48;
Matches 197; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
DB 67175 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 67234
QY 61 GGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 120
```

```
DB 67235 GGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGG 67294
QY 121 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGA 180
DB 67295 GGGGACACCCGCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGACGA 67354
QY 181 GCGTAGCGATGAGAGAG 199
DB 67355 GCGTAGCGATGAGTGG 67373
```

```
RESULT 4
US-10-086-206-1
; Sequence 1, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lochte, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408,014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 77
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-1
```

```
Query Match 37.2%; Score 77; DB 6; Length 77;
Best Local Similarity 100.0%; Pred. No. 3.2e-13;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
DB 1 ATGACCTGCGCCGACGACGATGACGCGTACGATGAGTGGGGGACCAACCCGCTTGC 60
QY 61 GGGGAGAGTGGCGCTG 77
DB 61 GGGGAGAGTGGCGCTG 77
```

```
RESULT 5
US-10-282-122A-28344
; Sequence 28344, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITRA 034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
```

```

; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/210,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 28344
; LENGTH: 978
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28344
```

```

Query Match          32.1%; Score 66.4; DB 7; Length 978;
Best Local Similarity 86.9%; Pred. No. 3.2e-10;
Matches 73; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```

QY 32 GCGATGAGTGGGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACTTGGCCGCA 91
    |||||||
DB 895 GCGATGAGTGGGGGACCACTCCGCTTGGCAGGGGAGAACGGCCCATTTGACCCGCCGAC 954
    |||||||
QY 92 CGACGATGCAGACCGTAGCGATGA 115
    |||||||
DB 955 CGACGATGCAGACCGTAGCGATGA 978
    |||||||
```

```

RESULT 6
US-10-282-122A-26639
; Sequence 26639, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EITPA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
```

```

; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 26639
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26639
```

```

Query Match          30.6%; Score 63.4; DB 7; Length 975;
Best Local Similarity 86.4%; Pred. No. 2.5e-09;
Matches 70; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```

QY 32 GCGATGAGTGGGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACTTGGCCGCA 91
    |||||||
DB 895 GCGATGAGTGGGGGACCACTCCGCTTGGCAGGGGAGAACGGCCCATTTGACCCGCCGAC 954
    |||||||
QY 92 CGACGATGCAGACCGTAGCGGA 112
    |||||||
DB 955 CGACGATGCAGACCGTAGCGGA 975
    |||||||
```

```

RESULT 7
US-10-481-265-96
; Sequence 96, Application US/10481265
; Publication No. US20040254349A1
; GENERAL INFORMATION:
; APPLICANT: James, Brian William
; APPLICANT: Bacon, Joanna
; APPLICANT: Marsh, Philip
; TITLE OF INVENTION: Mycobacterial Antigens Expressed Under Low Oxygen Tension
; FILE REFERENCE: 1581.1020000
; CURRENT APPLICATION NUMBER: US/10/481,265
; CURRENT FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: GB 0115365.9
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: GB 0121780.1
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: PCT/GB02/02845
; PRIOR FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 96
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-481-265-96
```

```

Query Match          30.6%; Score 63.4; DB 8; Length 975;
Best Local Similarity 86.4%; Pred. No. 2.5e-09;
Matches 70; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```

QY 32 GCGATGAGTGGGGGACCAACCCGCTTGGCGGGGAGAGTGGCGCTGATGACTTGGCCGCA 91
    |||||||
DB 895 GCGATGAGTGGGGGACCACTCCGCTTGGCAGGGGAGAACGGCCCATTTGACCCGCCGAC 954
    |||||||
QY 92 CGACGATGCAGACCGTAGCGGA 112
    |||||||
DB 955 CGACGATGCAGACCGTAGCGGA 975
    |||||||
```

```

RESULT 8
US-10-086-206-2
```

Sequence 2, Application US/10086206
Publication No. US20030124546A1
GENERAL INFORMATION:
APPLICANT: Magdalena, J
APPLICANT: Supply, P
APPLICANT: Loch, C
TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
FILE REFERENCE: 408.014
CURRENT APPLICATION NUMBER: US/10/086,206
CURRENT FILING DATE: 2002-02-28
PRIOR APPLICATION NUMBER: PCT/FR97/01483
PRIOR FILING DATE: 1997-08-12
PRIOR APPLICATION NUMBER: FR 96/10277
PRIOR FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 53
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2

Query Match 25.6%; Score 53; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 3.7e-06;
Matches 53; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 155 ATGACCTGGCGCGGACGATGCGATGCGATGAGAGAGAGCGCTG 207
Db 1 ATGACCTGGCGCGGACGATGCGATGCGATGAGAGAGAGAGCGCTG 53

RESULT 9

US-10-510-021-2
Sequence 2, Application US/10510021
Publication No. US20050220811A1
GENERAL INFORMATION:
APPLICANT: Cole, Stewart
APPLICANT: Pym, Alexander S
APPLICANT: Broesch, Roland
APPLICANT: Brodin, Priscille
APPLICANT: Majlessi, Laleh
APPLICANT: Demangel, Caroline
APPLICANT: Leclerc, Claude
TITLE OF INVENTION: Identification of virulence associated regions RD1 and
TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
TITLE OF INVENTION: microti
FILE REFERENCE: D20217
CURRENT APPLICATION NUMBER: US/10/510,021
CURRENT FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: PCT/IB03/01789
PRIOR FILING DATE: 2003-04-01
PRIOR APPLICATION NUMBER: EP 02/290864
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 13773
TYPE: DNA
ORGANISM: mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: Complete DNA sequence of RD1 RV3867-3877
US-10-510-021-2

Query Match 24.7%; Score 51.2; DB 9; Length 13773;
Best Local Similarity 61.3%; Pred. No. 7.4e-06;
Matches 114; Conservative 0; Mismatches 48; Indels 24; Gaps 1;

Qy 20 ATGAGAGCGGTGATGATGAGTGGGGACACACCGCTTGGCGGGAGATGCGCTGAT 79
Db 5894 AAGCGCGCGATTCACAGTTACCGCGCACCGGTTCTCGAGAGCGCGCACCGCT 5953

Qy 80 GACCTGGCGCGGACGATGCGATGAGTGGGGACACCCCGCTTGGCG 139
Db 5954 GACCGCGCGCGGACGATGCGATGAGTGGGGACACCCCGCTTGGCG 5993
Qy 140 GGGAGAGTGGCGTGAATGACCTGGCGCGGACGATGCGATGAGAGAGAG 199
Db 5994 ---GACCGCGCGCGGACGATGCGATGAGTGGGGACACCCCGCTTGGCG 6049
Qy 200 TGGCGC 205
Db 6050 CGGCGC 6055

RESULT 10
US-10-510-021-1
Sequence 1, Application US/10510021
Publication No. US20050220811A1
GENERAL INFORMATION:
APPLICANT: Cole, Stewart
APPLICANT: Pym, Alexander S
APPLICANT: Broesch, Roland
APPLICANT: Brodin, Priscille
APPLICANT: Majlessi, Laleh
APPLICANT: Demangel, Caroline
APPLICANT: Leclerc, Claude
TITLE OF INVENTION: Identification of virulence associated regions RD1 and
TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
TITLE OF INVENTION: microti
FILE REFERENCE: D20217
CURRENT APPLICATION NUMBER: US/10/510,021
CURRENT FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: PCT/IB03/01789
PRIOR FILING DATE: 2003-04-01
PRIOR APPLICATION NUMBER: EP 02/290864
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 31808
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: Insert of cosmid RD1-2F9 corresponding to sequence
OTHER INFORMATION: in the genome of mycobacterium tuberculosis H37Rv
US-10-510-021-1

Query Match 24.7%; Score 51.2; DB 9; Length 31808;
Best Local Similarity 61.3%; Pred. No. 6.8e-06;
Matches 114; Conservative 0; Mismatches 48; Indels 24; Gaps 1;

Qy 20 ATGAGAGCGGTGATGATGAGTGGGGACACCCCGCTTGGCGGGAGATGCGCTGAT 79
Db 11855 AAGCGCGCGATTCACAGTTACCGCGCACCGGTTCTCGAGAGAGCGCGCACCGCT 11914
Qy 80 GACCTGGCGCGGACGATGCGATGAGTGGGGACACCCCGCTTGGCG 139
Db 11915 GACCGCGCGCGGACGATGCGATGAGTGGGGACACCCCGCTTGGCG 11954
Qy 140 GGGAGAGTGGCGTGAATGACCTGGCGCGGACGATGCGATGAGAGAGAG 199
Db 11955 ---GACCGCGCGCGGACGATGCGATGAGTGGGGACACCCCGCTTGGCG 12010
Qy 200 TGGCGC 205
Db 12011 CGGCGC 12016

RESULT 11
US-09-791-171-71
Sequence 71, Application US/09791171
Patent No. US20020094336A1
GENERAL INFORMATION:


```

; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/791,171
; CURRENT FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97
; PRIOR FILING DATE: 1997-11-10
; PRIOR APPLICATION NUMBER: 60/044,624
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 60/070,488
; PRIOR FILING DATE: 1998-01-05
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

```

Query Match 22.8%; Score 47.2; DB 3; Length 1890;

Best Local Similarity 80.9%; Pred. No. 0.00013; Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

Qy 138 GGGGAGAGTGGCGCTGATGACCTGCGCGACGACGATGACGAGCGTAGCGATGAGGAGG 197
      |||||
Db 9 GAGGAGAGCGCGCGCCCAACGCGCCGCGCGACGATGCAAGCCGACGATGAGGAGG 68

```

```

Qy 198 AGTGGCGC 205
      |||||
Db 69 AGCGGCGC 76

```

```

RESULT 12
US-09-804-980-71
; Sequence 71, Application US/09804980
; Publication No. US20030147897A1
; GENERAL INFORMATION:
; APPLICANT: Statens Serum Institut
; APPLICANT: Anderson, Peter
; TITLE OF INVENTION: M. Tuberculosis Antigens
; FILE REFERENCE: 670001-2002.4
; CURRENT APPLICATION NUMBER: US/09/804,980
; CURRENT FILING DATE: 2001-03-12
; NUMBER OF SEQ ID NOS: 257
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

```

Query Match 22.8%; Score 47.2; DB 3; Length 1890;

Best Local Similarity 80.9%; Pred. No. 0.00013; Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

Qy 138 GGGGAGAGTGGCGCTGATGACCTGCGCGACGACGATGACGAGCGTAGCGATGAGGAGG 197
      |||||
Db 9 GAGGAGAGCGCGCGCCCAACGCGCCGCGCGACGATGCAAGCCGACGATGAGGAGG 68

```

```

Qy 198 AGTGGCGC 205
      |||||
Db 69 AGCGGCGC 76

```

```

RESULT 13
US-10-620-246-71
; Sequence 71, Application US/10620246
; Publication No. US20040115211A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1A
; CURRENT APPLICATION NUMBER: US/10/620,246
; CURRENT FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97
; PRIOR FILING DATE: 1997-11-10
; PRIOR APPLICATION NUMBER: 60/044,624
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 60/070,488
; PRIOR FILING DATE: 1998-01-05
; PRIOR APPLICATION NUMBER: 10/138,473
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 09/791,171
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/415,884
; PRIOR FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: 60/116,673
; PRIOR FILING DATE: 1999-01-21
; PRIOR APPLICATION NUMBER: 1281/98
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

```

Query Match 22.8%; Score 47.2; DB 7; Length 1890;

Best Local Similarity 80.9%; Pred. No. 0.00013; Matches 55; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

Qy 138 GGGGAGAGTGGCGCTGATGACCTGCGCGACGACGATGACGAGCGTAGCGATGAGGAGG 197
      |||||
Db 9 GAGGAGAGCGCGCGCCCAACGCGCCGCGCGACGATGCAAGCCGACGATGAGGAGG 68

```

```

Qy 198 AGTGGCGC 205
      |||||
Db 69 AGCGGCGC 76

```

```

RESULT 14
US-10-755-415-137
; Sequence 137, Application US/10755415
; Publication No. US20050136480A1
; GENERAL INFORMATION:
; APPLICANT: BRAHMACHARI, SAMIR KUMAR
; APPLICANT: SHARMA, DEBASIS
; APPLICANT: MAHESHWARI, JITENDRA KUMAR
; TITLE OF INVENTION: A COMPUTER BASED VERSATILE METHOD FOR IDENTIFYING PROTEIN CODING
; FILE REFERENCE: 026033-00029
; CURRENT APPLICATION NUMBER: US/10/755,415

```

```

; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: 10/727,989
; PRIOR FILING DATE: 2003-12-05
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 137
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-755-415-137

```

Query Match	22.7%;	Score 47;	DB 9;	Length 471;
Best Local Similarity	66.0%;	Pred. No. 0.00018;		
Matches 68;	Conservative 0;	Mismatches 35;	Indels 0;	Gaps 0;

[illegible]

```

RESULT 15
US-09-925-065A-506108/c
; Sequence 506108, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OR INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,036
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 506108
; LENGTH: 656
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-506108

```

Query Match	21.3%;	Score 44;	DB 4;	Length 656;
Best Local Similarity	54.3%;	Pred. No. 0.0013;		
Matches	89;	Conservative	0;	Mismatches 75;
			Indels	0;
			Gaps	0

Qy	6	CTGCSCCCACGACGATGTCAGAGCGTATGACGATGAGGTGGGGGACCAACCCGCTTGGCGGGGG	65
Db	484	CTGCCACCGCGGCGAGTGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCTTCCGTGGCGTCCGAG	425
Qy	66	AGAGTGGGCGCTATGACCTGCGCGCCGACGACGATGACGAGCGGTAGCGATGAGGTGGGGGCA	125
Db	424	GCAGTGGCGGAGAGGCCCGCGGCGTGGCGGCGCGGCTTTCACAAAGCTCGCGGCTGTG	365
Qy	126	CCACCCGCTTGGCGGGGAGAGTGGCGCGCTATGACCTGCGCGGAC	169
Db	364	CGCCCTCTGCGCGGCGGAGGCGGGCGCCAGGCGTGAATGAGAC	321


```

; APPLICANT: Pierce, James Michael
; APPLICANT: Kamar, Maria
; APPLICANT: Lee, Jin-Kyu
; APPLICANT: Kaneko, Mika
; TITLE OF INVENTION: N-Acetylglucosaminyltransferase Vb Coding Sequences, Recombinant
; FILE REFERENCE: 49-002A
; CURRENT APPLICATION NUMBER: US/10/972,053
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: PCT/US03/091402
; PRIOR FILING DATE: 2003-04-23
; PRIOR APPLICATION NUMBER: US 60/375,172
; PRIOR FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 3370
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (369)..(2744)
; US-10-972-053-3

```

```

Query Match          19.1%; Score 39.6; DB 6; Length 3370;
Best Local Similarity 53.6%; Pred. No. 0.18;
Matches 104; Conservative 0; Mismatches 89; Indels 1; Gaps 1;

```

```

Qy 12 CGACGACGATGACAGAGCGTAGCGATGAGTGGGGGACACCCGCTTGGGGGAGAGTGT 71
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 286 CGAAGCGCTGCGGGCCGAGAGCCGGGGGCTGCGACGACCGAGGAGCGCGGGGACGCTG 227
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 72 GCGGTGATGACTGCGCCGACGACGATGACAGAGCGTAGCGATGAGTGGGGGACACCC 131
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 226 GCTCTGACGCCCCCGCGGGGACGCGCGCGGC-CTGGGCGCGGAGGGGAGTTCCGGCG 168
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 132 GCTTGGCGGGGAGAGTGGCGCTGATGACCTGCGCCGACGACGATGCGAGCGTGCATG 191
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 167 AGAGCTTGGGGCCGGGGGCTCTTGCCTCTCCGCCCTCCCGATTCAATTTTGGGGAGG 108
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 192 AGAGAGAGTGGCGC 205
    ||| ||| ||| |||
Db 107 GCGAGGCGGCGCGC 94
    ||| ||| ||| |||

```

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RESULT 3
; US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis

```

```

US-10-802-796-526
Query Match          17.7%; Score 36.6; DB 6; Length 173;
Best Local Similarity 90.7%; Pred. No. 1.2;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```

```

Qy 163 CGCCGACGACGATGCGAGCGTAGCGATGAGAGGAGTGGCGC 205
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 76 CGCCGCGACGATGCGAGCGCAGCGATGAGAGGAGCGGCGC 34
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

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RESULT 4
; US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-597

```

```

Query Match          17.7%; Score 36.6; DB 6; Length 234;
Best Local Similarity 90.7%; Pred. No. 1.1;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```

```

Qy 163 CGCCGACGACGATGCGAGCGTAGCGATGAGAGGAGTGGCGC 205
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 84 CGCCGCGACGATGCGAGCGCAGCGATGAGAGGAGCGGCGC 42
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 5
; US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESES-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUDT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743

```

```
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-586
```

```
Query Match
Best Local Similarity 90.7%; Pred. No. 1.1;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 163 CGCCGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGCC 205
Db 64 CGCCGCGGACGATGCCGACGCGCATGAGAGAGAGCGGCGC 22
```

RESULT 6

```
US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
```

```
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-635
```

```
Query Match
Best Local Similarity 17.7%; Score 36.6; DB 6; Length 376;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 163 CGCCGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGCC 205
Db 87 CGCCGCGGACGATGCCGACGCGCATGAGAGAGAGCGGCGC 45
```

RESULT 7

```
US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
```

```
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-521
```

```
Query Match
Best Local Similarity 17.7%; Score 36.6; DB 6; Length 406;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 163 CGCCGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGCC 205
Db 59 CGCCGCGGACGATGCCGACGCGCATGAGAGAGAGCGGCGC 17
```

RESULT 8

```
US-11-121-086-46/c
; Sequence 46, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: NIELSEN, KIRSTEN V.
; APPLICANT: POULSEN, TIM S.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 46
; LENGTH: 158410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-46
```

```
Query Match
Best Local Similarity 17.7%; Score 36.6; DB 7; Length 158410;
Matches 96; Conservative 0; Mismatches 99; Indels 0; Gaps 0;
```

```
QY 13 GACGACGATGCGAGCGGTAGCCGATGAGAGAGAGTGGCC 72
Db 63655 GAGGAGAGTGGGGGGGTCAAGCCCCCGCTGGCCAGCCGCCGTCAGGAGGTGAGGGG 63596
```

```
QY 73 CGCTGATGACCTTGGCGCCGACGATGCGAGAGGTAGAGTGGGGGACCAACCCG 132
Db 63595 CGCCTTGGCCCGCCCGCCCTTCTGGAAGTAGAGGCCCTTCTGCGCCGACGCGCC 63536
```

```
QY 133 CTTCGGGGGAGAGTGGCGCTGATGACTGCGCCGACGACGATGCGAGAGGTAGCATGA 192
Db 63535 GTTCGGAGAGGAGGTGGGGGGGTCAAGCCCCCGGACGAGCCCGCTGTCGGGAGG 63476
```

```
QY 193 GGAGAGTGGCGCTG 207
Db 63475 TGAAGGGGCGCTCTG 63461
```

RESULT 9

```
US-10-995-561-13346
; Sequence 13346, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE. METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
```

```

; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13346
; LENGTH: 43103
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13346

Query Match
Best Local Similarity 51.6%; Score 35.8; DB 6; Length 43103;
Matches 82; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 49 CCACCCGCTTGGCGGAGAGTGCGCTGATGACCTCGCCGACGACGATGACAGCGTA 108
DB 38968 CCGCCCTGTCCGGAGGTGAGGGGCGCTGTGCCCGCCGCTTACTGGGAGTGAAGA 39027
QY 109 GCGATGAGTGGGGGACCAACCCGCTTGGCGGAGAGTGCGCTGATGACCTCGCCGA 168
DB 39028 GCGCCCTGTGCCCGCCGACCGCCCGCTCCGGAGAGGTGGGGGTCAAGCCCCCAGCC 39087
QY 169 CGACGATGACAGCGCTGACGATGAGAGGAGTGCGCTG 207
DB 39088 CGGCCAGTCCGCCCTGTCCGGAGGTGAGGGCGCCTCTG 39126

RESULT 10
US-11-121-086-76
; Sequence 76, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 76
; LENGTH: 98862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-76

Query Match
Best Local Similarity 51.6%; Score 35.8; DB 7; Length 98862;
Matches 82; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 49 CCACCCGCTTGGCGGAGAGTGCGCTGATGACCTCGCCGACGACGATGACAGCGTA 108
DB 55476 CCGCCCTGTCCGGAGGTGAGGGGCGCTTGTCCCGCGCCCTTACTGGGAGTGAAGA 55535
QY 109 GCGATGAGTGGGGGACCAACCCGCTTGGCGGAGAGTGCGCTGATGACCTCGCCGA 168
DB 55536 GCGCCCTGTGCCCGCCGACCGCCCGCTCCGGAGAGATGGGGGTCAAGCCCCCGCC 55595
QY 169 CGACGATGACAGCGCTGACGATGAGAGGAGTGCGCTG 207
DB 55596 CGGCCAGCCGCCCTGTCCGGAGGTGAGGGCGCCTCTG 55634

RESULT 11
US-11-120-925-1/c
; Sequence 1, Application US/11120925
; Publication No. US20060003354A1
; GENERAL INFORMATION:
; APPLICANT: Krantz, Ian D.
; APPLICANT: Jackson, Laird G.
; TITLE OF INVENTION: Methods and Compositions for the
```

```

; TITLE OF INVENTION: Diagnosis of Cornelia De Lange Syndrome
; FILE REFERENCE: 3460-CHOP,02305
; CURRENT APPLICATION NUMBER: US/11/120,925
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/567,756
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 188056
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-11-120-925-1

Query Match
Best Local Similarity 16.9%; Score 35; DB 7; Length 188056;
Matches 95; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 13 GACGACGATGACAGCGCTGACGATGAGTGGGGACACCCGCTTGGCGGAGAGTGG 72
DB 136184 GAGGAGAGTGGGGGGGTCAAGCCCCCGCTTGGCCAGCCGCCCATCCGAGAGTGAAGG 136125
QY 73 CGCTGATGACCTCGCCGACGACGATGACAGCGCTGACGATGAGTGGGGGACACCCG 132
DB 136124 CGCCTTGTCCCGCCGCGCTTACTGGGAGTGAAGAGCCCTTGTGCCCGGACAGCCGCC 136065
QY 133 CTTCGGGGGAGAGTGGCGCTGATGACCTCGCCGACGACGATGACAGCGTACGATGA 192
DB 136064 GTTCGGGAGAGAGTGGGGGGGTCAAGCCCCCGCTTGGCCAGCCGCCCTTCCGGAGG 136005
QY 193 GAGAGAGTGGCGCTG 207
DB 136004 TGAAGGGCGCCTCTG 135990

RESULT 12
US-10-995-561-13215/c
; Sequence 13215, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARBILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13215
; LENGTH: 241805
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(241805)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-7)
US-10-995-561-13215

Query Match
Best Local Similarity 16.6%; Score 34.4; DB 6; Length 241805;
Matches 95; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 9 CGCCGACGACGATGACAGCGTACCGATGAGTGGGGGACCAACCCGCTTGGCGGAGAGA 68
DB 41198 GGTCTGGAGAGGAGTGGGTCAAGCCCCCGCCGAGCCGCTTCCGAGAGTGA 41139
QY 69 GTGGCGCTGATGACCTCGCCGACGACGATGACAGCGTACGATGAGTGGGGGACCA 128
DB 41138 GGGGCGCTTGTCCCAAGCCGCCCTTACTGGGAGTGAAGAGCCCTTGTGCCGGGACAGCC 41079
```

Qy	129	CCCCCTTGCAGGAGAGTGCCTGTATATGACTTGCCTCCGACGACGATGCGACGACCTGAGCG	188
Db	41078	ACCCCTGTCGGGAGAGGAGTGTGGGGGATCAGACACCCCTGGCCAGCCGCCCCCTCTTG	41019
Qy	189	ATAGAGAGGAGTGGCG	204
Db	41018	GAGGAGAGTGGGGGGG	41003

```

RESULT 13
US-11-124-368A-2874/c
: Sequence 2874, Application US/11124368A
: Publication No. US20050287559A1
: GENERAL INFORMATION:
: APPLICANT: Michele Cargill
: APPLICANT: James J. Devlin
: APPLICANT: May Luke
: TITLE OF INVENTION: Genetic Polymorphisms Associated with
: TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
: FILE REFERENCE: C1001524
: CURRENT APPLICATION NUMBER: US/11/124,368A
: CURRENT FILING DATE: 2005-05-09
: PRIOR APPLICATION NUMBER: US 60/566,845
: PRIOR FILING DATE: 2004-05-07
: PRIOR APPLICATION NUMBER: US 60/625,936
: PRIOR FILING DATE: 2004-11-09
: NUMBER OF SEQ ID NOS: 21112
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 2874
: LENGTH: 17770
: TYPE: DNA
: ORGANISM: Homo sapiens
US-11-124-368A-2874

```

	Query Match	Similarity	Score	DB	Length
Best	Local	52.4%	Pred. No. 3.3,	75; Conservative	0; Mismatches 68; Indels 0; Gaps 0;
QY	46	GCACCA	CCCGCTTGC	GGGGAGAGTGGCGCTGATGACCTGC	CCGACGACGATGCAGAGC 105
Db	5883	GCGGCA	CAGGAAGCGGA	GCAGCCGAGCCAGAGCGAGGCGGTACCGCGCGGAGGAG	582
QY	106	GTA	GGATGAGGTGGGGG	CACACCCGCTTGC	GGGGGAGAGTGGCGCTGATGACCTGC
Db	5823	GAGCGG	GGGCTCTGGGGGG	CACCTGCTGGCTGGGAGATGACG	CAGACCGGAGCGCGGC 576
QY	166	CGACG	ACGATGCAGAGCG	TAGCG 188	
Db	5763	CACGAC	CGCTCCGAAAGGCGG	5741	

```

RESULT 14
US-11-124-368A-2900/C
; Sequence 2900, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargili
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/566,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 2112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2900
; LENGTH: 90572
; TYPE: DNA
;

```

```

? ORGANISM: Homo sapiens
?
? FEATURE:
?
? NAME/KEY: micc_feature
? LOCATION: 33050, 33051, 33052, 33053, 33054, 33055, 33056, 33057, 33058
? LOCATION: 33050, 33060, 33061, 33062, 33063, 33064, 33065, 33066,
? LOCATION: 33067, 33068, 33069
?
? OTHER INFORMATION: n = A,T,C or G
US-11-124-368A-2900

```

	Query Match	Similarity	16.5%	Score 34.2	DB 7	Length 90572
	Best Local	Similarity	52.4%	Pred. No. 2.9		
	Matches	75	Conservative	0	Mismatches	68
				Indels	0	Gaps
						0
Qy	46	GCAACACCCGCTTTGCGCGGGGAGAGTGAGCGCTGTATGACTTCGCCGACGACGATGACAGAC	105			
Db	89951	GCGGCAACAGAGAACCGAGAGGACCAAGAGCGGAGCGGAGAGGCTGTGACGCGCGGAGAGAG	89892			
Qy	106	GTAGCAATGAGTGGGGGGGACCAACCGGCTTGGCGGGGAGAGTGGCGCTATGACTTGGCGC	165			
Db	89891	GAGCGGGGGTCTTGGGGGGCACCTGTCTGGCTGGAGATGAGAGCGCAAGCGCGAGACCGGGC	89832			
Qy	166	CGACGACGATGCAGAGCGTTAGCG	188			
Db	89831	CACCGAGCTCCGAAAGGGCGC	89809			

```

RESULT 15
US-11-112-908--38
? Sequence 38. Application US/11112908
? Publication No. US2005026059A1
? GENERAL INFORMATION:
? APPLICANT: Harris, Cole
? APPLICANT: Davis, Lisa M.
? TITLE OF INVENTION: Breast Cancer Biomarkers
? FILE REFERENCE: 04-164-US
? CURRENT APPLICATION NUMBER: US/11/112,908
? CURRENT FILING DATE: 2005-04-22
? PRIOR APPLICATION NUMBER: US 60/564,758
? PRIOR FILING DATE: 2004-04-23
? PRIOR APPLICATION NUMBER: US 60/575,978
? PRIOR FILING DATE: 2004-06-01
? PRIOR APPLICATION NUMBER: US 60/631,702
? PRIOR FILING DATE: 2004-11-30
? PRIOR APPLICATION NUMBER: US 60/633,826
? PRIOR FILING DATE: 2004-12-07
? NUMBER OF SEQ ID NOS: 511
? SOFTWARE: PatentIn version 3.3
? SEQ ID NO 38
? LENGTH: 171162
? TYPE: DNA
? ORGANISM: Homo sapiens
US-11-112-908--38

```

	Query Match	Similarity	16.5%;	Score	34.2;	DB	7;	Length	171162;
	Best Local	Similarity	50.9%;	Pred.	No. 2;	8;			
	Matches	81;	Conservative	0;	Mismatches	78;	Indels	0;	Gaps
Qy	49	CCACCCGCTTGC	CGGGGAGAGTGC	CGCCTATGCT	CGCCGAGCGAGT	GACGTA	108		
Db	37794	CCGCCCCGTC	CGGGAGGTAGT	GGGGCCCTCTGC	CCGCGCCCTTACT	CGGAAGT	37853		
Qy	109	GCGATGAGTGG	GGGGGACCA	CCCGCTTGC	CGGGGAGAGTGG	CGCTGTAT	168		
Db	37854	GCCCCCTCTGC	CGGGCAGCGC	CGCCCTCCGGGAA	GAGAGTGG	GGGGGGT	37913		
Qy	169	CGACGATGAC	GAGCGT	TAGCAT	TAGAGAGT	GGCGCTG	207		
Db	37914	CGGCGACGCC	CCCCGTC	CGGGAGT	TAGGGG	CCCTCTG	37952		

Search completed: January 12, 2006, 05:40:34
Job time : 115 secs

Log Book (usps)


```
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
```

```
Query Match      84.2%; Score 44.6; DB 3; Length 4403765;
Best Local Similarity 92.2%; Pred. No. 1.3e-05;
Matches 47; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      2 TGACCTGCGCCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 52
Db      1644497 TGAGCCGCGCGCGACGATGCGAGCGAAGCGATGAGAGAGCGCGCT 1644447
```

```
RESULT 3
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
```

```
Query Match      84.2%; Score 44.6; DB 3; Length 4411529;
Best Local Similarity 92.2%; Pred. No. 1.3e-05;
Matches 47; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      2 TGACCTGCGCCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 52
Db      2996001 TGACCTGCGCGCGCGACGATGCGAGCGACGATGAGAGAGCGCGCT 2996051
```

```
RESULT 4
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
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; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
```

```
Query Match      84.2%; Score 44.6; DB 3; Length 4411529;
Best Local Similarity 92.2%; Pred. No. 1.3e-05;
Matches 47; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

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QY      2 TGACCTGCGCCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 52
Db      1644363 TGAGCCGCGCGCGACGATGCGAGCGAAGCGATGAGAGAGCGCGCT 1644313
```

```
RESULT 5
US-08-390-878-16
; Sequence 16, Application US/08390878
; Patent No. 5700683
; GENERAL INFORMATION:
; APPLICANT: Stover, Charles K.
; APPLICANT: Mahairas, Gregory G.
; TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourile and Crew
; STREET: One Market Plaza, Stewart Street Tower, 20th
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,878
; FILING DATE: 17-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 15371A-17
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/543/9600
; TELEFAX: 415/543/5043
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1685 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-390-878-16
```

```
Query Match      79.2%; Score 42; DB 2; Length 1685;
Best Local Similarity 90.0%; Pred. No. 5.4e-05;
Matches 45; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      2 TGACCTGCGCCGCGACGATGCGATGCGATGAGAGAGTGGCGCT 51
Db      784 TGACCGCGCGCGCGACGATGCAAGCGCGCGATGAGAGAGCGCGCGC 833
```

```
RESULT 6
US-09-470-191-25/c
; Sequence 25, Application US/09470191
; Patent No. 6465633
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
```

TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis
 FILE REFERENCE: 014058-008910US
 CURRENT APPLICATION NUMBER: US/09/470,191
 CURRENT FILING DATE: 1999-12-23
 PRIOR APPLICATION NUMBER: US 60/113,952
 PRIOR FILING DATE: 1998-12-24
 NUMBER OF SEQ ID NOS: 97
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO: 25
 LENGTH: 263
 TYPE: DNA
 ORGANISM: Mycobacterium tuberculosis
 FEATURE:
 NAME/KEY: modified base
 LOCATION: (1)...(263)
 OTHER INFORMATION: n = any nucleotide
 US-09-470-191-25

Query Match 75.1%; Score 39.8; DB 3; Length 263;
 Best Local Similarity 86.3%; Pred. No. 0.00019;
 Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGCGCCGACGATGAGAGCGGTAGGATGAGAGAGAGTGGCGC 51
 Db 252 ATGACTCGCGCCGACGATGAGAGCGGAAAGCGATGAGAGAGAGTGGCGC 202

RESULT 7
 US-09-050-739-71
 Sequence 71, Application US/09050739
 Patent No. 6641814
 GENERAL INFORMATION:
 APPLICANT: ANDERSEN, Peter
 APPLICANT: NIELSEN, Rikke
 APPLICANT: OERTINGER, Thomas
 APPLICANT: RASMUSSEN, Peter Birk
 APPLICANT: ROSENKRANDS, Ida
 APPLICANT: WELDMING, Karin
 APPLICANT: FLORIO, Walter
 TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
 FILE REFERENCE: 670001-2002.1
 CURRENT APPLICATION NUMBER: US/09/050,739
 CURRENT FILING DATE: 1998-03-30
 EARLIER APPLICATION NUMBER: 0376/97
 EARLIER FILING DATE: 1997-04-02
 EARLIER APPLICATION NUMBER: 1277/97
 EARLIER FILING DATE: 1997-11-10
 EARLIER APPLICATION NUMBER: 60/044,624
 EARLIER FILING DATE: 1997-04-18
 EARLIER APPLICATION NUMBER: 60/070,488
 EARLIER FILING DATE: 1998-01-05
 NUMBER OF SEQ ID NOS: 173
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 71
 LENGTH: 1890
 TYPE: DNA
 ORGANISM: Mycobacterium tuberculosis
 US-09-050-739-71

Query Match 75.1%; Score 39.8; DB 3; Length 1890;
 Best Local Similarity 86.3%; Pred. No. 0.00023;
 Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGCGCCGACGATGAGAGCGGTAGGATGAGAGAGAGTGGCGC 51
 Db 26 ACGCGCCGCGCCGACGATGAGAGCGGAAAGCGATGAGAGAGAGTGGCGC 76

RESULT 8
 US-08-311-731A-138/c
 Sequence 138, Application US/08311731A
 Patent No. 6583266

GENERAL INFORMATION:
 APPLICANT: SMITH, DOUGLAS
 APPLICANT: MAO, JEN-I
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
 TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
 NUMBER OF SEQUENCES: 411
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
 STREET: 600 ATLANTIC AVENUE
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: USA
 ZIP: 02210
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/311,731A
 FILING DATE:
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: GATES, EDWARD R.
 REGISTRATION NUMBER: 31,616
 REFERENCE/DOCKET NUMBER: C0044/7125
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/720-2441
 TELEFAX: 617/720-3500
 INFORMATION FOR SEQ ID NO: 138:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 35961 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: circular
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Mycobacterium leprae
 US-08-311-731A-138

Query Match 73.2%; Score 38.8; DB 3; Length 35961;
 Best Local Similarity 86.0%; Pred. No. 0.0007;
 Matches 43; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGATGAGAGCGGTAGGATGAGAGAGAGTGGCGC 51
 Db 22990 TGATCGCGCCGCGCTAGCATGCGGAGCTAAGCGATGAGAGAGAGTGGCGC 22941

RESULT 9
 US-08-311-731A-24/c
 Sequence 24, Application US/08311731A
 Patent No. 6583266
 GENERAL INFORMATION:
 APPLICANT: SMITH, DOUGLAS
 APPLICANT: MAO, JEN-I
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
 TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
 NUMBER OF SEQUENCES: 411
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
 STREET: 600 ATLANTIC AVENUE
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: USA
 ZIP: 02210
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 38494 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-24

Query Match 73.2%; Score 38.8; DB 3; Length 38494;
Best Local Similarity 86.0%; Pred. No. 0.00071;
Matches 43; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 TGACCTGCCCGGACGATGCAGCGTACCGATGAGGAGATGGCGC 51
DB 6918 TGATCCGCCGCGGCTACGATGCGGAGCTAAGCGATGAGAGAGTGGCGC 6869

RESULT 10
US-09-072-596-271/c
Sequence 271, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-596-271

Query Match 70.9%; Score 37.6; DB 3; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.0011;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCCCGGACGATGCAGCGTACCGATGAGGAGATGGCGCTG 53
DB 60 TGATCCGCCGCGGCTACGATGCGGAGCTAAGCGATGAGAGAGTGGCGCG 9

RESULT 11
US-09-072-967-276/c
Sequence 276, Application US/09072967
Patent No. 6592877
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 276:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-072-967-276

Query Match 70.9%; Score 37.6; DB 3; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.0011;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCCCGGACGATGCAGCGTACCGATGAGGAGATGGCGCTG 53

Db 60 TGATCCGCGCGCGAGATGACAGAGCGAGCGATGCTTAAGAGAGCGCGCGG 9

RESULT 12

US-10-193-002-271/c
Sequence 271, Application US/10193002
Patent No. 6949246

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skelky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS

NUMBER OF SEQUENCES: 350

CORRESPONDENCE ADDRESSES:

ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/072,596

FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.417C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 271:

SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 271:

US-10-193-002-271

Query Match 70.9%; Score 37.6; DB 3; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.0011;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGCGAGATGACAGCGTACCGATGAGAGAGTGGCGCTG 53
Db 60 TGATCCGCGCGCGAGATGACAGCGAGCGAGCGATGCTTAAGAGAGCGCGCGG 9

RESULT 13

US-10-084-843-276/c

Sequence 276, Application US/10084843

Patent No. 6962710

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skelky, Yasir A.W.

Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 355

CORRESPONDENCE ADDRESSES:

ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/084,843
FILING DATE: 25-Feb-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/072,967

FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.411C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 276:

SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 276:

US-10-084-843-276

Query Match 70.9%; Score 37.6; DB 3; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.0011;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGCGAGATGACAGCGTACCGATGAGAGAGTGGCGCTG 53
Db 60 TGATCCGCGCGCGAGATGACAGCGAGCGAGCGATGCTTAAGAGAGCGCGCGG 9

RESULT 14

US-08-311-731A-128/c

Sequence 128, Application US/08311731A

Patent No. 6583266

GENERAL INFORMATION:

APPLICANT: SMITH, DOUGLAS

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES

RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 411

CORRESPONDENCE ADDRESSES:

ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.

STREET: 600 ATLANTIC AVENUE

CITY: BOSTON

STATE: MASSACHUSETTS

COUNTRY: USA

ZIP: 02210

```

;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/311,731A
;
; FILING DATE:
;
; CLASSIFICATION: 530
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: GATES, EDWARD R.
;
; REGISTRATION NUMBER: 31,616
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: 617/720-3500
;
; TELEFAX: 617/720-2441
;
; INFORMATION FOR SEQ ID NO: 128:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 42988 base pairs
;
; TYPE: nucleic acid
;
; STRANDEDNESS: double
;
; TOPOLOGY: circular
;
; MOLECULE TYPE: DNA (genomic)
;
; HYPOTHEICAL: NO
;
; ANTI-SENSE: NO
;
; ORIGINAL SOURCE:
;
; ORGANISM: MYCOBACTERIUM LEPRAE
;
;
; US-08-311-731A-128
```

```

Query Match          70.9%; Score 37.6; DB 3; Length 42988;
Best Local Similarity 90.9%; Pred. No. 0.0018;
Matches 40; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```

Qy      8 GCGCGGACGACGATGACGAGCGTAGCGATGAGAGAGTGGCGC 51
Db      5579 GCGCGGCGACGATGCAGAGCGAGCGATGCGGAGAGTGTGC 5536
```

```

RESULT 15
US-09-060-756-526/c
; Sequence 526, Application US/09060756
; Patent No. 6183957
;
; GENERAL INFORMATION:
;
; APPLICANT: Cole, Stewart
;
; APPLICANT: Buchliesser-Brosch, Roland
;
; APPLICANT: Gordon, Stephen
;
; APPLICANT: Billault, Alain
;
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
;
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
;
; FILE REFERENCE: 3495-0169
;
; CURRENT APPLICATION NUMBER: US/09/060,756
;
; CURRENT FILING DATE: 1998-04-16
;
; NUMBER OF SEQ ID NOS: 743
;
; SOFTWARE: PatentIn Ver. 2.0
;
; SEQ ID NO 526
;
; LENGTH: 173
;
; TYPE: DNA
;
; ORGANISM: Mycobacterium tuberculosis
;
; US-09-060-756-526
```

```

Query Match          69.1%; Score 36.6; DB 3; Length 173;
Best Local Similarity 90.7%; Pred. No. 0.0021;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy      9 GCGCGACGACGATGCAGCGCTAGCGATGAGAGAGAGTGGCGC 51
Db      76 GCGCGGACGATGCGGACGCGAGCGATGAGAGAGCGCGC 34
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Search completed: January 11, 2006, 18:36:51
Job time : 106.838 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 18:14:10 : Search time 423.592 Seconds
(without alignments)
1034.667 Million cell updates/sec

Title: US-10-086-206A-2
Perfect score: 53
Sequence: 1 atgacctgcccgcagcagca.....gatgagagagagtcgctg 53

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA Main:*

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- 9: /cgn2_6/ptodata/1/pubpna/us10E_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/us11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53	100.0	53	US-10-086-206-2	Sequence 2, Appl1
2	42	79.2	13773	US-10-510-021-2	Sequence 2, Appl1
3	42	79.2	31808	US-10-510-021-1	Sequence 1, Appl1
4	41.8	78.9	77	US-10-086-206-1	Sequence 1, Appl1
5	41.8	78.9	86114	US-10-080-170-648	Sequence 648, App
6	41.8	78.9	86114	US-10-080-170-648	Sequence 648, App
7	41.8	78.9	86114	US-10-468-356-648	Sequence 648, App
8	39.8	75.1	1890	US-09-791-171-71	Sequence 71, Appl1
9	39.8	75.1	1890	US-09-804-980-71	Sequence 71, Appl1
10	39.8	75.1	1890	US-10-620-246-71	Sequence 71, Appl1
11	37.6	70.9	571	US-10-193-002-271	Sequence 271, App
12	37.6	70.9	571	US-10-084-843-276	Sequence 276, App
13	37.6	70.9	571	US-11-028-898-276	Sequence 276, App
14	37.6	70.9	571	US-11-082-005-271	Sequence 271, App
15	36.6	69.1	173	US-10-259-678-526	Sequence 526, App
16	36.6	69.1	234	US-10-259-678-597	Sequence 597, App
17	36.6	69.1	241	US-10-259-678-586	Sequence 586, App
18	36.6	69.1	376	US-10-259-678-635	Sequence 635, App
19	36.6	69.1	406	US-10-259-678-521	Sequence 521, App
20	33.8	63.0	936	US-10-282-122A-26008	Sequence 26008, A
21	33.4	63.0	374	US-10-259-678-567	Sequence 567, App
22	31.4	59.2	448	US-10-259-678-60	Sequence 60, Appl1
23	30.6	57.7	978	US-10-282-122A-28344	Sequence 28344, A

C	24	29.8	56.2	217	6	US-10-259-678-266	Sequence 266, App
	25	29.6	55.8	1141	7	US-10-424-599-25530	Sequence 25530, A
	26	29	54.7	1043	7	US-10-437-963-94475	Sequence 94475, A
C	27	29	54.7	1146	6	US-10-259-165-237	Sequence 237, App
	28	52.8	52	52	6	US-10-086-206-3	Sequence 3, Appl1
	29	28	52.8	1366	7	US-10-282-122A-27849	Sequence 27849, A
	30	27.6	52.1	975	7	US-10-481-265-96	Sequence 26639, A
	31	27.6	52.1	975	8	US-10-425-115-38697	Sequence 96, Appl1
	32	27.6	52.1	975	8	US-10-425-115-38697	Sequence 96, Appl1
	33	27.6	52.1	975	8	US-10-425-115-38697	Sequence 96, Appl1
	34	27.6	52.1	975	8	US-10-425-115-38697	Sequence 96, Appl1
	35	26.6	50.2	857	8	US-10-425-115-38697	Sequence 38697, A
	36	26.6	50.2	1518	8	US-10-425-115-38697	Sequence 38697, A
C	37	26	49.1	672	8	US-10-425-115-94768	Sequence 94768, A
	38	26	49.1	813	7	US-10-437-963-25772	Sequence 25772, A
C	39	26	49.1	877	7	US-10-437-963-25767	Sequence 25767, A
	40	26	49.1	1011	8	US-10-425-115-24667	Sequence 24667, A
C	41	26	49.1	1635	7	US-10-437-963-25769	Sequence 25769, A
C	42	26	49.1	1904	8	US-10-425-115-24661	Sequence 24661, A
C	43	25.8	48.7	285	8	US-10-425-115-74829	Sequence 74829, A
C	44	25.8	48.7	532	8	US-10-425-115-146179	Sequence 146179, A
C	45	25.8	48.7	662	8	US-10-425-115-63450	Sequence 63450, A

ALIGNMENTS

```
RESULT 1
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2

Query Match      100.0%; Score 53; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 53; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1  ATGACCTGCGCCGACGACGATGCGAGCGGTAGCGATGAGGAGGAGCGCGCTG 53
Db      1  ATGACCTGCGCCGACGACGATGCGAGCGGTAGCGATGAGGAGGAGGAGCGCGCTG 53

RESULT 2
US-10-510-021-2
; Sequence 2, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Taleh
```

APPLICANT: Demangel, Caroline
APPLICANT: Lelerc, Claude
TITLE OF INVENTION: Identification of virulence associated regions RD1 and
TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
TITLE OF INVENTION: microti
FILE REFERENCE: D20217
CURRENT APPLICATION NUMBER: US/10/510, 021
CURRENT FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: PCT/IB03/01789
PRIOR FILING DATE: 2003-04-01
PRIOR APPLICATION NUMBER: EP 02/290864
PRIOR FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
LENGTH: 13773
TYPE: DNA
ORGANISM: mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: Complete DNA sequence of RD1 RV3867-3877
US-10-510-021-2

Query Match 79.2%; Score 42; DB 9; Length 13773;
Best Local Similarity 90.0%; Pred. No. 2e-05;
Matches 45; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGACGATGACGAGCGGTAGCGATGAGAGAGAGTGGCGC 51
DB 5953 TGACCCGCGCGGCGGACGATGCAAAAGCGACGATGAGAGAGAGCGCGC 6002

RESULT 3
US-10-510-021-1
Sequence 1, Application US/10510021
Publication No. US20050220811A1
GENERAL INFORMATION:
APPLICANT: Cole, Stewart
APPLICANT: Pym, Alexander S
APPLICANT: Brosch, Roland
APPLICANT: Brodin, Priscille
APPLICANT: Majlessi, Laleh
APPLICANT: Demangel, Caroline
APPLICANT: Lelerc, Claude
TITLE OF INVENTION: Identification of virulence associated regions RD1 and
TITLE OF INVENTION: RD5 leading to improve vaccine of M. bovis BCG and M.
TITLE OF INVENTION: microti
FILE REFERENCE: D20217
CURRENT APPLICATION NUMBER: US/10/510, 021
CURRENT FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: PCT/IB03/01789
PRIOR FILING DATE: 2003-04-01
PRIOR APPLICATION NUMBER: EP 02/290864
PRIOR FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
LENGTH: 31808
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: Insert of cosmid RD1-2F9 corresponding to sequence
OTHER INFORMATION: in the genome of mcybacterium tuberculosis H37Rv
US-10-510-021-1

Query Match 79.2%; Score 42; DB 9; Length 31808;
Best Local Similarity 90.0%; Pred. No. 1.9e-05;
Matches 45; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 TGACCTGCGCGGACGACGATGACGAGCGGTAGCGATGAGAGAGAGTGGCGC 51
DB 11914 TGACCCGCGCGGCGGACGATGCAAAAGCGACGATGAGAGAGAGCGCGC 11963

RESULT 4
US-10-086-206-1
Sequence 1, Application US/10086206
Publication No. US20030124546A1
GENERAL INFORMATION:
APPLICANT: Magdalena, J
APPLICANT: Supply, P
APPLICANT: Loch, C
TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
TITLE OF INVENTION: COMPLEX MEMBERS
FILE REFERENCE: 408.014
CURRENT APPLICATION NUMBER: US/10/086, 206
CURRENT FILING DATE: 2002-02-28
PRIOR APPLICATION NUMBER: PCT/FR97/01483
PRIOR FILING DATE: 1997-08-12
PRIOR APPLICATION NUMBER: FR 96/10277
PRIOR FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
LENGTH: 77
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-086-206-1

Query Match 78.9%; Score 41.8; DB 6; Length 77;
Best Local Similarity 95.6%; Pred. No. 3.3e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGACGATGACGAGCGGTAGCGATGAGAGAGAG 45
DB 1 ATGACCTGCGCGGACGACGATGACGAGCGGTAGCGATGAGAGAGTGGGG 45

RESULT 5
US-10-080-170-648
Sequence 648, Application US/10080170
Publication No. US20030129601A1
GENERAL INFORMATION:
APPLICANT: COLE, S.T.
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 03495.0218
CURRENT APPLICATION NUMBER: US/10/080, 170
CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/270, 123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 652
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 648
LENGTH: 86114
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match 78.9%; Score 41.8; DB 6; Length 86114;
Best Local Similarity 95.6%; Pred. No. 2.2e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGACCTGCGCGGACGACGATGACGAGCGGTAGCGATGAGAGAGAG 45
DB 67175 ATGACCTGCGCGGACGACGATGACGAGCGGTAGCGATGAGAGAGTGGGG 67219

RESULT 6
US-10-080-170-648
Sequence 648, Application US/10080170
Publication No. US20040121322A9
GENERAL INFORMATION:
APPLICANT: COLE, S.T.

;; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
;; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
;; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
;; FILE REFERENCE: 03495.0218
;; CURRENT APPLICATION NUMBER: US/10/080,170
;; PRIOR FILING DATE: 2002-06-10
;; PRIOR APPLICATION NUMBER: 60/270,123
;; PRIOR FILING DATE: 2001-02-22
;; NUMBER OF SEQ ID NOS: 652
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 648
;; LENGTH: 86114
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match 78.3%; Score 41.8; DB 7; Length 86114;
Best Local Similarity 95.6%; Pred. No. 2.2e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCCGACGACGATGAGAGCGGTAGCGATGAGAGAG 45
Db 67175 ATGACCTGGCCGACGACGATGAGAGCGGTAGCGATGAGAGAG 67219

RESULT 7
US-10-468-356-648
;; Sequence 648, Application US/10468356
;; Publication No. US20040197896A1
;; GENERAL INFORMATION:
;; APPLICANT: COLE, STEWART
;; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
;; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
;; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
;; FILE REFERENCE: 05394.0019
;; CURRENT APPLICATION NUMBER: US/10/468,356
;; PRIOR FILING DATE: 2003-08-19
;; PRIOR APPLICATION NUMBER: 10/080,170
;; PRIOR FILING DATE: 2002-02-22
;; PRIOR APPLICATION NUMBER: 60/270,123
;; PRIOR FILING DATE: 2001-02-22
;; NUMBER OF SEQ ID NOS: 655
;; SOFTWARE: PatentIn Ver. 3.2
;; SEQ ID NO 648
;; LENGTH: 86114
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648

Query Match 78.3%; Score 41.8; DB 8; Length 86114;
Best Local Similarity 95.6%; Pred. No. 2.2e-05;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCCGACGACGATGAGAGCGGTAGCGATGAGAGAG 45
Db 67175 ATGACCTGGCCGACGACGATGAGAGCGGTAGCGATGAGAGAG 67219

RESULT 8
US-09-791-171-71
;; Sequence 71, Application US/09791171
;; Patent No. US20020094336A1
;; GENERAL INFORMATION:
;; APPLICANT: ANDERSEN, Peter
;; APPLICANT: NIELSEN, Rikke
;; APPLICANT: OETTINGER, Thomas
;; APPLICANT: RASMUSSEN, Peter Birk
;; APPLICANT: ROSENKRANDS, Ida
;; APPLICANT: WELDINGH, Karin
;; APPLICANT: FLORIO, Walter
;; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
;; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
;; FILE REFERENCE: 670001-2002.1

;; CURRENT APPLICATION NUMBER: US/09/791,171
;; CURRENT FILING DATE: 2001-02-20
;; PRIOR APPLICATION NUMBER: 09/050,739
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 0376/97
;; PRIOR FILING DATE: 1997-04-02
;; PRIOR APPLICATION NUMBER: 1277/97
;; PRIOR FILING DATE: 1997-11-10
;; PRIOR APPLICATION NUMBER: 60/044,624
;; PRIOR FILING DATE: 1997-04-18
;; PRIOR APPLICATION NUMBER: 60/070,488
;; PRIOR FILING DATE: 1998-01-05
;; NUMBER OF SEQ ID NOS: 173
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 71
;; LENGTH: 1890
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

Query Match 75.1%; Score 39.8; DB 3; Length 1890;
Best Local Similarity 86.3%; Pred. No. 0.00014;
Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCCGACGACGATGAGAGCGGTAGCGATGAGAGAGAG 51
Db 26 ACGGCCCGCCGCGGACGATGCAAGCCGACGATGAGAGAGAGCGCC 76

RESULT 9
US-09-804-980-71
;; Sequence 71, Application US/09804980
;; Publication No. US20030147897A1
;; GENERAL INFORMATION:
;; APPLICANT: Statens Serum Institut
;; APPLICANT: Anderson, Peter
;; TITLE OF INVENTION: M. Tuberculosis Antigens
;; FILE REFERENCE: 670001-2002.4
;; CURRENT APPLICATION NUMBER: US/09/804,980
;; PRIOR FILING DATE: 2001-03-12
;; NUMBER OF SEQ ID NOS: 257
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 71
;; LENGTH: 1890
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

Query Match 75.1%; Score 39.8; DB 3; Length 1890;
Best Local Similarity 86.3%; Pred. No. 0.00014;
Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGGCCGACGACGATGAGAGCGGTAGCGATGAGAGAGAG 51
Db 26 ACGGCCCGCCGCGGACGATGCAAGCCGACGATGAGAGAGAGCGCC 76

RESULT 10
US-10-620-246-71
;; Sequence 71, Application US/10620246
;; Publication No. US20040115211A1
;; GENERAL INFORMATION:
;; APPLICANT: ANDERSEN, Peter
;; APPLICANT: NIELSEN, Rikke
;; APPLICANT: OETTINGER, Thomas
;; APPLICANT: RASMUSSEN, Peter Birk
;; APPLICANT: ROSENKRANDS, Ida
;; APPLICANT: WELDINGH, Karin
;; APPLICANT: FLORIO, Walter
;; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
;; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
;; FILE REFERENCE: 670001-2002.1A
;; CURRENT APPLICATION NUMBER: US/10/620,246

CURRENT FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: 09/050,739
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 0376/97
PRIOR FILING DATE: 1997-04-02
PRIOR APPLICATION NUMBER: 1277/97
PRIOR FILING DATE: 1997-11-10
PRIOR APPLICATION NUMBER: 60/044,624
PRIOR FILING DATE: 1997-04-18
PRIOR APPLICATION NUMBER: 60/070,488
PRIOR FILING DATE: 1998-01-05
PRIOR APPLICATION NUMBER: 10/138,473
PRIOR FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 09/791,171
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/415,884
PRIOR FILING DATE: 1999-10-08
PRIOR APPLICATION NUMBER: 60/116,673
PRIOR FILING DATE: 1999-01-21
PRIOR APPLICATION NUMBER: 1281/98
PRIOR FILING DATE: 1998-10-08
NUMBER OF SEQ ID NOS: 173
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

Query Match 75.1%; Score 39.8; DB 7; Length 1890;
Best Local Similarity 86.3%; Pred. No. 0.00014;
Matches 44; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATGACCTGCGCCGACGATGACGAGCGTAGCGATGAGGAGGAGTGCGCCG 51
Db 26 ACGCGCCGCGCCGCGGCGATGCAAGCGGAGCGATGAGGAGGAGCGCGCCG 76

RESULT 11
US-10-193-002-271/c
Sequence 271, Application US/10193002
Publication No. US20030135026A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, David C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
City: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596

FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 271:
US-10-193-002-271

Query Match 70.9%; Score 37.6; DB 6; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGATGACGAGCGTAGCGATGAGGAGGAGTGCGCGCTG 53
Db 60 TGATCCGCGCCGCGGCGGCGATGCAAGCGGAGCGATGCTAAGAGCGCGCCG 9

RESULT 12
US-10-084-843-276/c
Sequence 276, Application US/10084843
Publication No. US20030143243A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, David C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
City: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843
FILING DATE: 25-Feb-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 276:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 276;
US-10-084-843-276

Query Match 70.9%; Score 37.6; DB 6; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGACGATGACGCGTACGATGAGAGAGTGCGCTG 53
Db 60 TGATCCGCGCGCGACGATGACGAGCGGCGCATGCTAAGAGCGGCGCG 9

RESULT 13
US-11-028-898-276/c
Sequence 276, Application US/11028898
Publication No. US20050136069A1

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/028,898

FILING DATE: 03-Jan-2005
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843

FILING DATE: 03-Jan-2005
APPLICATION NUMBER: US/09/072,967

FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.
REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 276:
SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 276;
US-11-028-898-276

Query Match 70.9%; Score 37.6; DB 10; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;

Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
Qy 2 TGACCTGCGCCGACGACGATGACGCGTACGATGAGAGAGTGCGCTG 53
Db 60 TGATCCGCGCGCGACGATGACGAGCGGCGCATGCTAAGAGCGGCGCG 9

RESULT 14
US-11-082-005-271/c
Sequence 271, Application US/11082005
Publication No. US20050181419A1

GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS

NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/082,005

FILING DATE: 15-Mar-2005
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/193,002

FILING DATE: 10-Jul-2002
APPLICATION NUMBER: US/09/072,596

FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.
REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:

LENGTH: 571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 271;
US-11-082-005-271

Query Match 70.9%; Score 37.6; DB 10; Length 571;
Best Local Similarity 82.7%; Pred. No. 0.00089;
Matches 43; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGACGATGACGCGTACGATGAGAGAGTGCGCTG 53
Db 60 TGATCCGCGCGCGACGATGACGAGCGGCGCATGCTAAGAGCGGCGCG 9

RESULT 15
US-10-259-678-526/c

```
; Sequence 526, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-259-678-526
```

```
Query Match          69.1%; Score 36.6; DB 6; Length 173;
Best Local Similarity 90.7%; Pred. No. 0.0022;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

QY	9	CGCCGACGACGATGCGAGCGTAGCGATGAGAGAGAGTGGCGC	51
Db	76	CGCCGGCGGACGATGCCGAGCGCGACGATGAGAGAGAGCGGGCGC	34

Search completed: January 11, 2006, 21:19:34
Job time : 424.592 secs


```

; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-597

Query Match      69.1%; Score 36.6; DB 6; Length 234;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGAGAGTGGCGC 51
Db      84 CGCCGGCGACGATGCCAGCGCGACGCGATGAGAGAGAGCGCGCC 42
```

```

RESULT 3
US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-586
```

```

Query Match      69.1%; Score 36.6; DB 6; Length 241;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGAGAGTGGCGC 51
Db      64 CGCCGGCGACGATGCCAGCGCGACGCGATGAGAGAGAGCGCGCC 22
```

```

RESULT 4
US-10-802-796-635/c
```

```

; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-635

Query Match      69.1%; Score 36.6; DB 6; Length 376;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGAGAGTGGCGC 51
Db      87 CGCCGGCGACGATGCCAGCGCGACGCGATGAGAGAGAGCGCGCC 45
```

```

RESULT 5
US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-521
```

```

Query Match      69.1%; Score 36.6; DB 6; Length 406;
Best Local Similarity 90.7%; Pred. No. 0.0018;
Matches 39; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      9 CGCCGACGACGATGCAGAGCGTAGCGATGAGAGAGAGTGGCGC 51
```

DB 59 CGCCGCGATGCGGAGCGGATGAGAGAGCGCGC 17

RESULT 6

```

US-10-802-796-567
; Sequence 567, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY, APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 567
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (13)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (15)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (20)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (23)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (93)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (205)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (262)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (268)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (275)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (327)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-567

```

Query Match 63.0%; Score 33.4; DB 6; Length 374;
 Best Local Similarity 80.4%; Pred. No. 0.02;
 Matches 37; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 8 GCGCCGATGCGGAGCGGATGAGAGAGGCGCGC 53
 DB 251 GCGCCGATGCGGAGCGGATGAGAGAGGCGCGC 296

RESULT 7

```

US-10-802-796-60/c
; Sequence 60, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY, APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (154)..(155)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (322)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (334)
; OTHER INFORMATION: a, t, c or g
; NAME/KEY: modified_base
; LOCATION: (347)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-60

```

Query Match 59.2%; Score 31.4; DB 6; Length 448;
 Best Local Similarity 85.4%; Pred. No. 0.091;
 Matches 35; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 11 CCGACGATGCGGAGCGGATGAGAGAGGCGCGC 51
 DB 428 CCGACGATGCGGAGCGGATGAGAGAGGCGCGC 388

RESULT 8

```

US-10-802-796-266/c
; Sequence 266, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN

```

```

; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY, APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR APPLICATION NUMBER: 2004-03-18
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 266
; LENGTH: 217
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (139)..(140)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-266

```

```

Query Match          56.2%; Score 29.8; DB 6; Length 217;
Best Local Similarity 93.9%; Pred. No. 0.3;
Matches 31; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy      15 CGACGATCGAGCGGTAGCATGAGAGAGCTG 47
Db      36 CGACGATCGAGCGGAGCATTAAGAGAGAGTG 4

```

```

RESULT 9
US-11-075-185-38/c
; Sequence 38, Application US/11075185
; Publication No. US20050266434A1
; GENERAL INFORMATION:
; APPLICANT: REEVES, CHRISTOPHER D
; APPLICANT: JULIEN, BRYAN
; APPLICANT: REID, RALPH
; TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMBRUTICINS
; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/568,290
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 38
; LENGTH: 6594
; TYPE: DNA
; ORGANISM: Sorangium cellulosum
US-11-075-185-38

```

```

Query Match          46.0%; Score 24.4; DB 7; Length 6594;
Best Local Similarity 68.0%; Pred. No. 19;
Matches 34; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

```

```

Qy      2 TGACCTGCGCGCAGACGATGAGCGTGAAGAGAGTGGCGC 51
Db      4343 TGCCCCGCGCCTCGACGATGTGAGCGCTCGCGATTGGCGCGCGC 4294

```

```

RESULT 10
US-11-075-185-1/c
; Sequence 1, Application US/11075185
; Publication No. US20050266434A1
; GENERAL INFORMATION:
; APPLICANT: REEVES, CHRISTOPHER D

```

```

; APPLICANT: JULIEN, BRYAN
; APPLICANT: REID, RALPH
; TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMBRUTICINS
; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/568,290
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 78869
; TYPE: DNA
; ORGANISM: Sorangium cellulosum
US-11-075-185-1

```

```

Query Match          46.0%; Score 24.4; DB 7; Length 78869;
Best Local Similarity 68.0%; Pred. No. 20;
Matches 34; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

```

```

Qy      2 TGACCTGCGCGCAGACGATGAGCGTGAAGAGAGTGGCGC 51
Db      46769 TGCCCCGCGCCTCGACGATGTGAGCGCTCGCGATTGGCGCGCGC 46720

```

```

RESULT 11
US-10-821-234-315
; Sequence 315, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmant, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes version 1.0
; SEQ ID NO 315
; LENGTH: 2396
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-315

```

```

Query Match          45.7%; Score 24.2; DB 6; Length 2396;
Best Local Similarity 71.1%; Pred. No. 22;
Matches 32; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

```

Qy      1 ATGACTGCGCGCAGACGATGCAAGCGTGAAGAGAGAGAG 45
Db      813 AAGGCTTCGCGCTGAGAGCGACGAGGAAGAGAGAGAGAG 857

```

```

RESULT 12
US-10-955-054A-11
; Sequence 11, Application US/10955054A
; Publication No. US20050266420A1
; GENERAL INFORMATION:
; APPLICANT: PUSZTAI, LAJOS
; APPLICANT: SYMANS, W. FRASER
; APPLICANT: HESS, KENNETH R.
; APPLICANT: AYERS, MARK
; APPLICANT: STEC, JAMES
; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
; FILE REFERENCE: UTXC-880US
; CURRENT APPLICATION NUMBER: US/10/955,054A
; CURRENT FILING DATE: 2004-09-30

```


NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 5595
TYPE: DNA
ORGANISM: Homo sapiens
US-10-955-054A-11

Query Match
Best Local Similarity 66.7%; Score 23.8; DB 6; Length 5595;
Matches 34; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 2 TGACCTGCGCCGACGATGACGCGTAGCGATGAGAGAGTGGCGCT 52
Db 2857 TGACCTGCGCCGACGCGCGAGCGGTCTCTATGAGCGGACGACTGGCCT 2907

RESULT 13
US-10-467-657-7099/c
Sequence 7099, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SPA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACT Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 7099
LENGTH: 810
TYPE: DNA
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7099

Query Match
Best Local Similarity 44.2%; Score 23.4; DB 6; Length 810;
Matches 33; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 4 ACCTGCGCCGACGATGACGCGTAGCGATGAGAGAGTGGCGCT 52
Db 743 ACCGCGCGCGGAGAGGGGTTGAGCGAGCAATGAGGCCGCGGCT 695

RESULT 14
US-10-467-657-4293
Sequence 4293, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SPA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACT Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 4293
LENGTH: 888
TYPE: DNA
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4293

Query Match
Best Local Similarity 44.2%; Score 23.4; DB 6; Length 888;
Matches 33; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 4 ACCTGCGCCGACGATGACGCGTAGCGATGAGAGAGTGGCGCT 52
Db 68 ACCGCGCGCGGAGAGGGGTTGAGCGAGCAATGAGGCCGAGTGGCGCT 116

RESULT 15
US-11-124-368A-15090
Sequence 15090, Application US/11124368A
Publication No. US20050287559A1
GENERAL INFORMATION:
APPLICANT: Michele Cargill
APPLICANT: James J. Devlin
APPLICANT: May Luke
TITLE OF INVENTION: Genetic Polymorphisms Associated with
TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
FILE REFERENCE: C1001524
CURRENT APPLICATION NUMBER: US/11/124,368A
CURRENT FILING DATE: 2005-05-09
PRIOR APPLICATION NUMBER: US 60/568,845
PRIOR FILING DATE: 2004-05-07
PRIOR APPLICATION NUMBER: US 60/525,936
PRIOR FILING DATE: 2004-11-09
NUMBER OF SEQ ID NOS: 21112
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15090
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-11-124-368A-15090

Query Match
Best Local Similarity 43.4%; Score 23; DB 7; Length 201;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 4 ACCTGCGCCGACGATGACGCGTAGCGATGAGAGAGTGGCGC 50
Db 88 ACCTGAGCAGATGCGCAGGCGAGCGATGAGGTGGGAGTGGCGGTG 134

Search completed: January 11, 2006, 21:28:54
Job time : 225.008 secs

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974 13.8 65.7 93971 3 US-09-949-016-16098 Sequence 16098, A
975 13.8 65.7 106746 3 US-09-326-402C-1 Sequence 1, Appl1
976 13.8 65.7 106746 3 US-09-326-402C-12 Sequence 12, Appl1
c 977 13.8 65.7 109690 3 US-09-949-016-13525 Sequence 13525, A
978 13.8 65.7 112623 3 US-09-949-016-14374 Sequence 14374, A
979 13.8 65.7 112874 3 US-09-949-016-13180 Sequence 13180, A
980 13.8 65.7 115388 3 US-09-949-016-14981 Sequence 14981, A
981 13.8 65.7 119594 3 US-09-949-016-12080 Sequence 12080, A
982 13.8 65.7 119601 3 US-09-949-016-15952 Sequence 15952, A
c 983 13.8 65.7 123463 3 US-09-949-016-17078 Sequence 17078, A
c 984 13.8 65.7 125902 3 US-09-949-016-13715 Sequence 13715, A
c 985 13.8 65.7 126200 3 US-09-949-016-11824 Sequence 11824, A
c 986 13.8 65.7 126200 3 US-09-949-016-13153 Sequence 13153, A
987 13.8 65.7 127771 3 US-09-949-016-14982 Sequence 14982, A
988 13.8 65.7 148794 3 US-09-949-016-12751 Sequence 12751, A
989 13.8 65.7 150032 3 US-09-949-016-14321 Sequence 14321, A
990 13.8 65.7 156324 3 US-09-949-016-13749 Sequence 13749, A
991 13.8 65.7 160759 3 US-09-949-016-16514 Sequence 16514, A
992 13.8 65.7 165841 3 US-09-949-016-16152 Sequence 16152, A
993 13.8 65.7 174029 3 US-09-949-016-12610 Sequence 12610, A
994 13.8 65.7 174030 3 US-09-949-016-13880 Sequence 13880, A
995 13.8 65.7 183112 3 US-09-949-016-14184 Sequence 14184, A
c 996 13.8 65.7 187136 3 US-09-949-016-17231 Sequence 17231, A
997 13.8 65.7 203475 3 US-09-949-016-14516 Sequence 14516, A
998 13.8 65.7 203475 3 US-09-949-016-14517 Sequence 14517, A
999 13.8 65.7 203475 3 US-09-949-016-14518 Sequence 14518, A
1000 13.8 65.7 203475 3 US-09-949-016-14519 Sequence 14519, A

ALIGNMENTS

Sequence 16098, A
Sequence 1, Appl1
Sequence 12, Appl1
Sequence 13525, A
Sequence 14374, A
Sequence 13180, A
Sequence 14981, A
Sequence 12080, A
Sequence 15952, A
Sequence 17078, A
Sequence 13715, A
Sequence 11824, A
Sequence 13153, A
Sequence 14982, A
Sequence 12751, A
Sequence 14321, A
Sequence 13749, A
Sequence 16514, A
Sequence 16152, A
Sequence 12610, A
Sequence 13880, A
Sequence 14184, A
Sequence 17231, A
Sequence 14516, A
Sequence 14517, A
Sequence 14518, A
Sequence 14519, A

RESULT 1
US-08-311-731A-138/c
; Sequence 138, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESSES:
; ADDRESS: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311, 731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)

; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
; US-08-311-731A-138

Query Match 100.0%; Score 21; DB 3; Length 35961;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGGAGTGCGGC 21
Db 22961 AGCGATGAGGAGGAGTGCGGC 22941

RESULT 2
US-08-311-731A-24/c
; Sequence 24, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESSES:
; ADDRESS: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311, 731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38494 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: MYCOBACTERIUM LEPRAE
; US-08-311-731A-24

Query Match 100.0%; Score 21; DB 3; Length 38494;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGGAGTGCGGC 21
Db 6889 AGCGATGAGGAGGAGTGCGGC 6869

RESULT 3
US-09-103-840A-2

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; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
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Query Match          100.0%; Score 21; DB 3; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AGCGATGAGAGAGATGGCGC 21

Db 1508755 AGCGATGAGAGAGATGGCGC 1508775

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RESULT 4
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
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Query Match          100.0%; Score 21; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AGCGATGAGAGAGATGGCGC 21

Db 1507557 AGCGATGAGAGAGATGGCGC 1507577

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RESULT 5
US-09-060-756-526/C
; Sequence 526, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
```

```
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-526
```

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Query Match          92.4%; Score 19.4; DB 3; Length 173;
Best Local Similarity 95.2%; Pred. No. 19;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGAGAGATGGCGC 21

Db 54 AGCGATGAGAGAGATGGCGC 34

```
RESULT 6
US-09-670-314-526/C
; Sequence 526, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-526
```

```
Query Match          92.4%; Score 19.4; DB 3; Length 173;
Best Local Similarity 95.2%; Pred. No. 19;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 1 AGCGATGAGAGAGATGGCGC 21

Db 54 AGCGATGAGAGAGATGGCGC 34

```
RESULT 7
US-09-060-756-597/C
; Sequence 597, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
```

```

; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-597

Query Match          92.4%; Score 19.4; DB 3; Length 234;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      62 AGCGATGAGGAGGAGCGCGC 42

RESULT 8
US-09-670-314-597/c
; Sequence 597, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; PRIOR FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-597

Query Match          92.4%; Score 19.4; DB 3; Length 234;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      62 AGCGATGAGGAGGAGCGCGC 42

RESULT 9
US-09-060-756-586/c
; Sequence 586, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-586
```

```

Query Match          92.4%; Score 19.4; DB 3; Length 241;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      42 AGCGATGAGGAGGAGCGCGC 22

RESULT 10
US-09-670-314-586/c
; Sequence 586, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; PRIOR FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-586

Query Match          92.4%; Score 19.4; DB 3; Length 241;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGGCGC 21
DB      42 AGCGATGAGGAGGAGCGCGC 22

RESULT 11
US-09-470-191-25/c
; Sequence 25, Application US/09470191
; Patent No. 645633
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
; TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis
; FILE REFERENCE: 014058-008310US
; CURRENT APPLICATION NUMBER: US/09/470,191
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 60/113,952
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PaatsSeq for Windows Version 3.0
; SEQ ID NO 25
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)..(263)
; OTHER INFORMATION: n = any nucleotide
US-09-470-191-25

Query Match          92.4%; Score 19.4; DB 3; Length 263;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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OY      1 AGCGATGAGGAGTGGCGC 21
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Db      222 AGCGATGAGGAGGCGCGC 202

RESULT 12
US-09-060-756-635/c
; Sequence 635, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-635

Query Match      92.4%; Score 19.4; DB 3; Length 376;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY      1 AGCGATGAGGAGTGGCGC 21
      |||||
Db      65 AGCGATGAGGAGGCGCGC 45

RESULT 13
US-09-670-314-635/c
; Sequence 635, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-635

Query Match      92.4%; Score 19.4; DB 3; Length 376;
Best Local Similarity 95.2%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY      1 AGCGATGAGGAGTGGCGC 21
      |||||
Db      65 AGCGATGAGGAGGCGCGC 45

RESULT 14
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US-09-060-756-521/c
; Sequence 521, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-521

Query Match      92.4%; Score 19.4; DB 3; Length 406;
Best Local Similarity 95.2%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY      1 AGCGATGAGGAGTGGCGC 21
      |||||
Db      37 AGCGATGAGGAGGCGCGC 17

RESULT 15
US-09-670-314-521/c
; Sequence 521, Application US/09670314
; Patent No. 6492506
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/670,314
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-670-314-521

Query Match      92.4%; Score 19.4; DB 3; Length 406;
Best Local Similarity 95.2%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY      1 AGCGATGAGGAGTGGCGC 21
      |||||
Db      37 AGCGATGAGGAGGCGCGC 17

RESULT 16
US-09-050-739-71
; Sequence 71, Application US/09050739
; Patent No. 6641814
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
```

APPLICANT: RASMUSSEN, Peter Birk
APPLICANT: ROSENKRANDS, Ida
APPLICANT: WELDLINGH, Karin
APPLICANT: FLORIO, Walter
TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
FILE REFERENCE: 670001-2002.1
CURRENT APPLICATION NUMBER: US/09/050,739
CURRENT FILING DATE: 1998-03-30
EARLIER APPLICATION NUMBER: 0376/97
EARLIER FILING DATE: 1997-04-02
EARLIER APPLICATION NUMBER: 1277/97
EARLIER FILING DATE: 1997-11-10
EARLIER APPLICATION NUMBER: 60/044,624
EARLIER FILING DATE: 1997-04-18
EARLIER APPLICATION NUMBER: 60/070,488
EARLIER FILING DATE: 1998-01-05
NUMBER OF SEQ ID NOS: 173
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 71
LENGTH: 1890
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-050-739-71

Query Match 92.4%; Score 19.4; DB 3; Length 1890;
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGCGGC 21
Db 3 AGCGATGAGGAGGAGTGCGGC 23

RESULT 17
US-08-390-878-16
Sequence 16, Application US/08390878
Patent No. 5700683
GENERAL INFORMATION:
APPLICANT: Stover, Charles K.
APPLICANT: Mahairas, Gregory G.
TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: One Market Plaza, Stewart Street Tower, 20th
STREET: Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,878
FILING DATE: 17-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 15371A-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/543/9600
TELEFAX: 415/543/5043
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 16885 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-390-878-16

Query Match 92.4%; Score 19.4; DB 2; Length 16885;
Best Local Similarity 95.2%; Pred. No. 27;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGCGGC 21
Db 813 AGCGATGAGGAGGAGTGCGGC 833

RESULT 18
US-08-311-731A-1
Sequence 1, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 32155 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM TUBERCULOSIS
US-08-311-731A-1

Query Match 92.4%; Score 19.4; DB 3; Length 32155;
Best Local Similarity 95.2%; Pred. No. 29;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGCGGC 21
Db 5767 AGCGATGAGGAGGAGTGCGGC 5787

RESULT 19
US-09-103-840A-2/c
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:

APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 92.4%; Score 19.4; DB 3; Length 4403765;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCGC 21
DB 267897 AGCGATGAGGAGGTGGCGC 267877

RESULT 20
US-09-103-840A-1/c
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 92.4%; Score 19.4; DB 3; Length 4411529;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCGC 21
DB 267785 AGCGATGAGGAGGTGGCGC 267765

RESULT 21
US-09-949-016-63755
Sequence 63755, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 63755
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-63755

Query Match 84.8%; Score 17.8; DB 3; Length 601;
Best Local Similarity 90.5%; Pred. No. 1e+02; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 2;

QY 1 AGCGATGAGGAGGTGGCGC 21
DB 23 AGCGATGAGGAGGTGGCTC 43

RESULT 22
US-08-311-731A-13/c
Sequence 133, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-1
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: 411
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 133:
SEQUENCE CHARACTERISTICS:
LENGTH: 39195 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LAPRAE
US-08-311-731A-133

Query Match 84.8%; Score 17.8; DB 3; Length 39195;
Best Local Similarity 90.5%; Pred. No. 1.4e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
22028 AGCGATGAGGAGAGTGGTGC 22008

RESULT 23

US-08-311-731A-128/C
Sequence 128, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 4298 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LAPRAE
US-08-311-731A-128

Query Match 84.8%; Score 17.8; DB 3; Length 42988;
Best Local Similarity 90.5%; Pred. No. 1.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
Db 5556 AGCGATGCGGAGAGTGGTGC 5536

RESULT 24
US-09-949-016-11844/C
Sequence 11844, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11844
LENGTH: 11981
TYPE: DNA
ORGANISM: Human
US-09-949-016-11844

Query Match 84.8%; Score 17.8; DB 3; Length 11981;
Best Local Similarity 90.5%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
Db 56153 AGCGATGCGGAGAGTGGTGC 56133

RESULT 25
US-09-949-016-13606/C
Sequence 13606, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13606
LENGTH: 11982
TYPE: DNA
ORGANISM: Human
US-09-949-016-13606

Query Match 84.8%; Score 17.8; DB 3; Length 11982;
Best Local Similarity 90.5%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCCG 21
Db 56153 AGCGATGCGGAGAGTGGTGC 56133

RESULT 26
US-09-016-434-893
Sequence 893, Application US/09016434
Patent No. 6500338
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA

ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ. ID NO: 893:
SEQUENCE CHARACTERISTICS:
LENGTH: 280 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAT03
CLONE: 696484
US-09-016-434-893

Query Match 81.0%; Score 17; DB 3; Length 280;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGCGATGAGGAGGATG 17
Db 154 AGCGATGAGGAGGATG 170

RESULT 27
US-09-148-545-24
Sequence 24, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148,545
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,161
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,583
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,618
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,503
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,569
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,311
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,671
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,674
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,669
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,312
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,313
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893

EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,879
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 05-Sep-1997
EARLIER APPLICATION NUMBER: 60/047,599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22

EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTG 17
|||||
Db 246 AGCGATGAGGAGAGTG 262

RESULT 28
US-09-621-011-24
Sequence 24, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/621,011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-011-24

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTG 17
|||||
Db 246 AGCGATGAGGAGAGTG 262

RESULT 29
US-09-148-545-89
Sequence 89, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148,545
CURRENT FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482

EARLIER APPLICATION NUMBER:	60/043, 674
EARLIER FILING DATE:	1997-04-11
EARLIER APPLICATION NUMBER:	60/043, 669
EARLIER FILING DATE:	1997-04-11
EARLIER APPLICATION NUMBER:	60/043, 312
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EARLIER APPLICATION NUMBER:	60/043, 313
EARLIER FILING DATE:	1997-04-11
EARLIER APPLICATION NUMBER:	60/043, 672
EARLIER FILING DATE:	1997-04-11
EARLIER APPLICATION NUMBER:	60/043, 315
EARLIER FILING DATE:	1997-04-11
EARLIER APPLICATION NUMBER:	60/048, 974
EARLIER FILING DATE:	1997-06-06
EARLIER APPLICATION NUMBER:	60/056, 886
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 877
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 889
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 893
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 652
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 630
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 878
EARLIER FILING DATE:	1997-08-22
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EARLIER FILING DATE:	1997-08-22
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EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 903
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 888
EARLIER FILING DATE:	1997-08-22
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EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 894
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 911
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 636
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 874
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 631
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 845
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/056, 892
EARLIER FILING DATE:	1997-08-22
EARLIER APPLICATION NUMBER:	60/047, 559
EARLIER FILING DATE:	1997-05-23
EARLIER APPLICATION NUMBER:	60/047, 585
EARLIER FILING DATE:	1997-05-23
EARLIER APPLICATION NUMBER:	60/047, 586
EARLIER FILING DATE:	1997-05-23
EARLIER APPLICATION NUMBER:	60/047, 550

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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855

Query Match      81.0%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
Db      124 AGCGATGAGGAGGATG 140

RESULT 30
US-09-621-011-89
; Sequence 89, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621,011
; CURRENT FILING DATE: 2000-07-20
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: SITE
; LOCATION: (103)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (767)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (831)
; OTHER INFORMATION: n equals a,t,g, or c
; US-09-621-011-89

Query Match      81.0%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
Db      124 AGCGATGAGGAGGATG 140

RESULT 31
US-09-907-794A-126
; Sequence 126, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertszen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
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; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-794A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

RESULT 32
US-09-905-125A-126
; Sequence 126, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
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; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-905-125A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

RESULT 33
US-09-902-775A-126
; Sequence 126, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
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; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-902-775A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2,4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGTG 17
Db      282 AGCGATGAGGAGGTG 298

RESULT 34
; Sequence 126, Application US/09906700
; Patent No. 6723535
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, A.
```

```

; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,700
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-906-700-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2,4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGTG 17
Db      282 AGCGATGAGGAGGTG 298

RESULT 35
; Sequence 126, Application US/09903603A
; Patent No. 676795
; GENERAL INFORMATION:
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? APPLICANT: Genentech, Inc.
? APPLICANT: Ashkenazi, Avi
? APPLICANT: Botstein, David
? APPLICANT: Desnoyers, Luc
? APPLICANT: Eaton, Dan L.
? APPLICANT: Ferrara, Napoleone
? APPLICANT: Filvaroff, Ellen
? APPLICANT: Fong, Sherman
? APPLICANT: Gao, Wei-Qiang
? APPLICANT: Gerber, Hanspeter
? APPLICANT: Gertlisen, Mary E.
? APPLICANT: Goddard, A.
? APPLICANT: Godowski, Paul J.
? APPLICANT: Grimaldi, Christopher J.
? APPLICANT: Gurney, Austin L.
? APPLICANT: Hillan, Kenneth, J.
? APPLICANT: Kijavin, Ivar J.
? APPLICANT: Mather, Jennie P.
? APPLICANT: Paoni, James
? APPLICANT: Paoni, Nicholas F.
? APPLICANT: Roy, Margaret Ann
? APPLICANT: Stewart, Timothy A.
? APPLICANT: Tumas, Daniel
? APPLICANT: Williams, P. Mickey
? APPLICANT: Wood, William, I.
? TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
? FILE REFERENCE: GNE.1618P2C12
? CURRENT APPLICATION NUMBER: US/09/903,603A
? PRIOR FILING DATE: 2001-07-11
? PRIOR APPLICATION NUMBER: PCT/US00/04414
? PRIOR FILING DATE: 2000-02-22
? PRIOR APPLICATION NUMBER: US 60/143,048
? PRIOR FILING DATE: 1999-07-07
? PRIOR APPLICATION NUMBER: US 60/145,698
? PRIOR FILING DATE: 1999-07-26
? PRIOR APPLICATION NUMBER: US 60/146,222
? PRIOR FILING DATE: 1999-07-28
? PRIOR APPLICATION NUMBER: PCT/US99/20594
? PRIOR FILING DATE: 1999-09-08
? PRIOR APPLICATION NUMBER: PCT/US99/20944
? PRIOR FILING DATE: 1999-09-13
? PRIOR APPLICATION NUMBER: PCT/US99/21090
? PRIOR FILING DATE: 1999-09-15
? PRIOR APPLICATION NUMBER: PCT/US99/21547
? PRIOR FILING DATE: 1999-09-15
? PRIOR APPLICATION NUMBER: PCT/US99/23089
? PRIOR FILING DATE: 1999-10-05
? PRIOR APPLICATION NUMBER: PCT/US99/28214
? PRIOR FILING DATE: 1999-11-29
? PRIOR APPLICATION NUMBER: PCT/US99/28313
? PRIOR FILING DATE: 1999-11-30
? PRIOR APPLICATION NUMBER: PCT/US99/28564
? PRIOR FILING DATE: 1999-12-02
? PRIOR APPLICATION NUMBER: PCT/US99/28565
? PRIOR FILING DATE: 1999-12-02
? PRIOR APPLICATION NUMBER: PCT/US99/30095
? PRIOR FILING DATE: 1999-12-16
? PRIOR APPLICATION NUMBER: PCT/US99/30911
? PRIOR FILING DATE: 1999-12-20
? PRIOR APPLICATION NUMBER: PCT/US99/30999
? PRIOR FILING DATE: 1999-12-20
? PRIOR APPLICATION NUMBER: PCT/US00/00219
? PRIOR FILING DATE: 2000-01-05
? NUMBER OF SEQ ID NOS: 423
? SEQ ID NO 126
? LENGTH: 1210
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-09-903-603A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 AGCGATGAGAGGAGTG 17
Db      282 AGCGATGAGAGGAGTG 298

RESULT 36
US-09-904-920A-126
; Sequence 126, Application US/09904920A
; Patent No. 6806352
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Paoni, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,920A
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-904-920A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGAGTG 17
Db      282 AGCGATGAGGAGAGTG 298

RESULT 37
US-09-909-064-126
; Sequence 126, Application US/09909064
; Patent No. 6818449
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,064
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
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; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-064-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGAGTG 17
Db      282 AGCGATGAGGAGAGTG 298

RESULT 38
US-09-905-381A-126
; Sequence 126, Application US/09905381A
; Patent No. 6818746
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,381A
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
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; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-381A-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

RESULT 39
US-09-906-618-126
; Sequence 126, Application US/09906618
; Patent No. 6828146
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavyn, Ivar J.
; APPLICANT: Mather, Jenile P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
```

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; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,618
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-618-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
DB      282 AGCGATGAGGAGGATG 298

RESULT 40
US-09-906-646-126
; Sequence 126, Application US/09906646
; Patent No. 6852848
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
```

```

; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Matheer, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,646
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-646-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2,4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGAGAGAGTG 17
Db      282 AGCGATGAGAGAGAGTG 298

RESULT 41
US-09-904-462-126
; Sequence 126, Application US/09904462
; Patent No. 6878807
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
```

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; APPLICANT: Aehkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Matheer, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,462
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-462-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
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Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 282 AGCGATGAGGAGGATG 298

RESULT 42

US-09-902-736A-126
; Sequence 126, Application US/09902736A
; Patent No. 6894148
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Aekhenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Hong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,736A
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-902-736A-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 282 AGCGATGAGGAGGATG 298

RESULT 43

US-09-906-722A-126
; Sequence 126, Application US/09906722A
; Patent No. 6946262
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Aekhenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Hong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE.1618P2C61
; CURRENT APPLICATION NUMBER: US/09/906,722A
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-722A-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTG 17
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 44
US-08-311-731A-124/c
Sequence 124, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSER: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 3603 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-124

Query Match 80.0%; Score 16.8; DB 3; Length 36033;
Best Local Similarity 90.0%; Pred. No. 3.9e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGCGG 20
Db 19152 AGCGATGAGGAGGAGCGCG 19133

RESULT 45
US-08-104-072B-7/c
Sequence 7, Application US/08104072B
Patent No. 5639948
GENERAL INFORMATION:
APPLICANT: Michiels, Frank
APPLICANT: Morioka, Sinji
APPLICANT: Scheitlinck, Trees
APPLICANT: Komari, Toshiko
TITLE OF INVENTION: Stamen-specific Promoters from Rice
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSER: Merchant & Gould
STREET: 3100 No. 5639948west Center
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/104,072B
FILING DATE: 05-AUG-1993
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO 9200272
FILING DATE: 06-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91403352.7
FILING DATE: 10-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91402590.3
FILING DATE: 27-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91400318.1
FILING DATE: 08-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kowalchuk, Katherine M.
REGISTRATION NUMBER: 36,848
REFERENCE/DOCKET NUMBER: 8076.93USWO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5300
TELEFAX: 612-332-9081
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2370 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: promoter
LOCATION: 1..1808

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; OTHER INFORMATION: /function= "anther specific PT42
; OTHER INFORMATION: promoter"
; FEATURE:
; NAME/KEY: TATA_signal
; LOCATION: 1748..1755
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1780
; OTHER INFORMATION: /product= "transcription
; OTHER INFORMATION: initiation"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1809
; OTHER INFORMATION: /product= "ATG start translation
; OTHER INFORMATION: T42"
; US-08-104-072B-7

Query Match      78.1%; Score 16.4; DB 2; Length 2370;
Best Local Similarity 94.4%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GATGAGGAGGATGGCGC 21
Db      1856 GATGAGGAGGAGGCGGC 1839

RESULT 46
US-08-351-413-8/C
; Sequence 8, Application US/08351413
; Patent No. 5750867
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: Maintenance of male-sterile plants
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 2046
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,413
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/899,072
; FILING DATE: 12-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/970,849
; FILING DATE: 03-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 2121-102PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2370 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
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; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Oryza sativa
; STRAIN: Akihikari
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..1808
; OTHER INFORMATION: /label= PT42
; OTHER INFORMATION: /note= "sequence comprising anther specific
; OTHER INFORMATION: promoter PT42"
; FEATURE:
; NAME/KEY: -
; LOCATION: 1748..1755
; OTHER INFORMATION: /label= TATA
; OTHER INFORMATION: /note= "TATA Box"
; FEATURE:
; NAME/KEY: -
; LOCATION: 1780
; OTHER INFORMATION: /note= "transcription initiation
; OTHER INFORMATION: site determined by primer extension"
; FEATURE:
; NAME/KEY: -
; LOCATION: 1809
; OTHER INFORMATION: /label= ATG
; OTHER INFORMATION: /note= "ATG start of translation of rice T42 gene"
; US-08-351-413-8

Query Match      78.1%; Score 16.4; DB 2; Length 2370;
Best Local Similarity 94.4%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GATGAGGAGGATGGCGC 21
Db      1856 GATGAGGAGGAGGCGGC 1839

RESULT 47
US-09-025-583-8/C
; Sequence 8, Application US/09025583
; Patent No. 5977433
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: Maintenance of male-sterile plants
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 2046
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/025,583
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,413
; FILING DATE:
; APPLICATION NUMBER: US 07/899,072
; FILING DATE: 12-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/970,849
; FILING DATE: 03-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 2121-102PCT
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
TELEX: 248345
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 2370 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHEetical: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Oryza sativa
STRAIN: Akihikari
FEATURE:
NAME/KEY: -
LOCATION: 1..1808 /label= PT42
OTHER INFORMATION: /note= "sequence comprising another specific
OTHER INFORMATION: /note= "promoter PT42"
FEATURE:
NAME/KEY: -
LOCATION: 1748..1755
OTHER INFORMATION: /label= TATA
OTHER INFORMATION: /note= "TATA Box"
FEATURE:
NAME/KEY: -
LOCATION: 1780
OTHER INFORMATION: /note= "transcription initiation
OTHER INFORMATION: site determined by primer extension"
FEATURE:
NAME/KEY: -
LOCATION: 1809
OTHER INFORMATION: /label= ATG
OTHER INFORMATION: /note= "ATG start of translation of rice T42 gene"
US-09-025-583-8

Query Match          78.1%; Score 16.4; DB 2; Length 2370;
Best Local Similarity 94.4%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GATGAGGAGGAGTGCGGC 21
Db      1856 GATGAGGAGGAGGCGGC 1839

RESULT 48
US-09-060-756-60/c
Sequence 60, Application US/09060756
Patent No. 6183957
GENERAL INFORMATION:
APPLICANT: Cole, Stewart
APPLICANT: Buchrieser-Brosch, Roland
APPLICANT: Gordon, Stephen
TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
FILE REFERENCE: 3495-0169
CURRENT APPLICATION NUMBER: US/09/060.756
CURRENT FILING DATE: 1998-04-16
NUMBER OF SEQ ID NOS: 743
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 60
LENGTH: 448
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
NAME/KEY: unsure
LOCATION: (various positions within the sequence)
OTHER INFORMATION: applicants are uncertain of bases designated as "n"
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US-09-060-756-60
Query Match          77.1%; Score 16.2; DB 3; Length 448;
Best Local Similarity 85.7%; Pred. No. 5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGCGGC 21
Db      408 AGCGATGAGGAGGAGCGGC 388

RESULT 49
US-09-670-314-60/c
Sequence 60, Application US/09670314
Patent No. 6492506
GENERAL INFORMATION:
APPLICANT: Cole, Stewart
APPLICANT: Buchrieser-Brosch, Roland
APPLICANT: Gordon, Stephen
APPLICANT: Billault, Alain
TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
FILE REFERENCE: 3495-0169
CURRENT APPLICATION NUMBER: US/09/670.314
CURRENT FILING DATE: 2001-01-12
PRIOR APPLICATION NUMBER: 09/060.756
PRIOR FILING DATE: 1998-04-16
NUMBER OF SEQ ID NOS: 743
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 60
LENGTH: 448
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
NAME/KEY: unsure
LOCATION: (various positions within the sequence)
OTHER INFORMATION: applicants are uncertain of bases designated as "n"
US-09-670-314-60

Query Match          77.1%; Score 16.2; DB 3; Length 448;
Best Local Similarity 85.7%; Pred. No. 5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTGCGGC 21
Db      408 AGCGATGAGGAGGAGCGGC 388

RESULT 50
US-09-949-016-89946
Sequence 89946, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949.016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 89946
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-89946
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Query Match 77.1%; Score 16.2; DB 3; Length 601;
 Best Local Similarity 85.7%; Pred. No. 5.1e+02;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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 Db 184 ACCGATGGGAGAGAGTGGCCC 204

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OM nucleic - nucleic search, using sw model

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Title: US-10-086-206A-2_COPY_31_51
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Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

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Listing first 1000 summaries

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Published Applications NA Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	19.4	92.4	173	US-10-259-678-526	Sequence 526, App
3	19.4	92.4	234	US-10-259-678-597	Sequence 597, App
4	19.4	92.4	241	US-10-259-678-586	Sequence 586, App
5	19.4	92.4	376	US-10-259-678-635	Sequence 635, App
6	19.4	92.4	406	US-10-259-678-521	Sequence 521, App
7	19.4	92.4	936	US-10-282-122A-26008	Sequence 26008, A
8	19.4	92.4	1267	US-10-282-122A-26164	Sequence 26164, A
9	19.4	92.4	1290	US-10-282-122A-28483	Sequence 28483, A
10	19.4	92.4	1890	US-09-791-171-71	Sequence 71, App1
11	19.4	92.4	1890	US-09-804-980-71	Sequence 71, App1
12	19.4	92.4	13773	US-10-510-021-2	Sequence 1, App1
13	19.4	92.4	13773	US-10-510-021-1	Sequence 1, App1
14	19.4	92.4	31808	US-10-437-963-100131	Sequence 49435, A
15	19.4	92.4	31808	US-10-437-963-49435	Sequence 49435, A
16	18.4	87.6	414	US-10-437-963-96792	Sequence 96792, A
17	18.4	87.6	1034	US-10-437-963-50060	Sequence 50060, A
18	17.4	82.9	189	US-10-437-963-67166	Sequence 67166, A
19	17.4	82.9	798	US-10-305-720-893	Sequence 893, App
20	17.4	82.9	280	US-10-779-543-3332	Sequence 3332, App
21	17.4	82.9	300	US-09-981-876-24	Sequence 24, App1
22	17.4	82.9	796	US-09-148-545-24	Sequence 24, App1
23	17.4	82.9	796	US-09-148-545-24	Sequence 24, App1

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28	17	81.0	1015	9	US-10-450-763-18397	Sequence 18397, A
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66	17	81.0	1210	3	US-09-905-088-126	Sequence 126, App
67	17	81.0	1210	3	US-09-907-575-126	Sequence 126, App
68	17	81.0	1210	3	US-09-905-075-126	Sequence 126, App
69	17	81.0	1210	3	US-09-902-759-126	Sequence 126, App
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71	17	81.0	1210	3	US-09-902-713-126	Sequence 126, App
72	17	81.0	1210	3	US-09-907-979-126	Sequence 126, App
73	17	81.0	1210	3	US-09-902-615-126	Sequence 126, App
74	17	81.0	1210	3	US-09-903-925-126	Sequence 126, App
75	17	81.0	1210	3	US-09-906-760A-126	Sequence 126, App
76	17	81.0	1210	3	US-09-903-823-126	Sequence 126, App
77	17	81.0	1210	3	US-09-907-652-126	Sequence 126, App
78	17	81.0	1210	3	US-09-902-572A-126	Sequence 126, App
79	17	81.0	1210	3	US-09-902-979-126	Sequence 126, App
80	17	81.0	1210	3	US-09-905-125-126	Sequence 126, App
81	17	81.0	1210	3	US-09-906-815A-126	Sequence 126, App
82	17	81.0	1210	3	US-09-905-449-126	Sequence 126, App
83	17	81.0	1210	3	US-09-903-806-126	Sequence 126, App
84	17	81.0	1210	3	US-09-904-992-126	Sequence 126, App
85	17	81.0	1210	3	US-09-904-838-126	Sequence 126, App
86	17	81.0	1210	3	US-09-906-777-126	Sequence 126, App
87	17	81.0	1210	3	US-09-903-603A-126	Sequence 126, App
88	17	81.0	1210	3	US-09-904-532-126	Sequence 126, App
89	17	81.0	1210	3	US-09-904-766-126	Sequence 126, App
90	17	81.0	1210	3	US-09-904-920A-126	Sequence 126, App
91	17	81.0	1210	3	US-09-904-877A-126	Sequence 126, App
92	17	81.0	1210	3	US-09-903-562-126	Sequence 126, App
93	17	81.0	1210	3	US-09-906-618-126	Sequence 126, App
94	17	81.0	1210	3	US-09-907-728-126	Sequence 126, App
95	17	81.0	1210	3	US-09-904-805-126	Sequence 126, App
96	17	81.0	1210	3	US-09-904-938A-126	Sequence 126, App


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C 973 15.2 72.4 723 8 US-10-739-930-2729 Sequence 2729, Ap
C 974 15.2 72.4 732 9 US-10-450-763-29516 Sequence 29516, A
C 975 15.2 72.4 750 7 US-10-425-114-24301 Sequence 24301, A
C 976 15.2 72.4 751 8 US-10-425-115-33388 Sequence 33388, A
C 977 15.2 72.4 753 8 US-10-425-115-127471 Sequence 127471, A
C 978 15.2 72.4 756 8 US-10-425-115-76699 Sequence 76699, A
C 979 15.2 72.4 757 5 US-10-027-632-8177 Sequence 8177, Ap
C 980 15.2 72.4 757 6 US-10-027-632-8177 Sequence 8177, Ap
C 981 15.2 72.4 759 7 US-10-437-963-50271 Sequence 50271, A
C 982 15.2 72.4 762 7 US-10-424-599-125914 Sequence 125914, A
C 983 15.2 72.4 765 7 US-10-437-963-12738 Sequence 12738, A
C 984 15.2 72.4 776 8 US-10-653-047-7774 Sequence 7774, Ap
C 985 15.2 72.4 780 7 US-10-437-963-95690 Sequence 95690, A
C 986 15.2 72.4 791 8 US-10-425-115-123617 Sequence 123617, A
C 987 15.2 72.4 792 8 US-10-425-115-88642 Sequence 88642, A
C 988 15.2 72.4 807 7 US-10-425-114-25458 Sequence 25458, A
C 989 15.2 72.4 813 3 US-09-855-604-554 Sequence 554, App
C 990 15.2 72.4 824 8 US-10-425-115-127470 Sequence 127470, A
C 991 15.2 72.4 842 7 US-10-425-114-30879 Sequence 30879, A
C 992 15.2 72.4 846 5 US-10-027-632-173246 Sequence 173246, A
C 993 15.2 72.4 846 6 US-10-027-632-173246 Sequence 173246, A
C 994 15.2 72.4 847 8 US-10-425-115-160770 Sequence 160770, A
C 995 15.2 72.4 847 8 US-10-425-115-172214 Sequence 172214, A
C 996 15.2 72.4 864 7 US-10-437-963-87528 Sequence 87528, A
C 997 15.2 72.4 867 7 US-10-250-238-5766 Sequence 5766, Ap
C 998 15.2 72.4 873 8 US-10-425-115-127490 Sequence 127490, A
C 999 15.2 72.4 875 7 US-10-767-701-791 Sequence 791, App
1000 15.2 72.4 875 7 US-10-767-701-791 Sequence 791, App
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ALIGNMENTS

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RESULT 1
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2
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Query Match 100.0%; Score 21; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AGCGATGAGGAGGAGTGGCGC 21
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Db 31 AGCGATGAGGAGGAGTGGCGC 51
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RESULT 2
US-10-259-678-526/c
; Sequence 526, Application US/10259678
; Publication No. US20030198974A1
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; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-259-678-526
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Query Match 92.4%; Score 19.4; DB 6; Length 173;
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Best Local Similarity 95.2%; Pred. No. 52;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1 AGCGATGAGGAGGAGTGGCGC 21
```

```
Db 54 AGCGATGAGGAGGAGTGGCGC 34
```

```
RESULT 3
US-10-259-678-597/c
; Sequence 597, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-259-678-597
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```
Query Match 92.4%; Score 19.4; DB 6; Length 234;
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Best Local Similarity 95.2%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
Qy 1 AGCGATGAGGAGGAGTGGCGC 21
```

```
Db 62 AGCGATGAGGAGGAGTGGCGC 42
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```
RESULT 4
US-10-259-678-586/c
; Sequence 586, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
```



```
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-259-678-586
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Query Match          92.4%; Score 19.4; DB 6; Length 241;
Best Local Similarity 95.2%; Pred. No. 49;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 AGCGATGAGGAGGATGCGGC 21
Db      42 AGCGATGAGGAGGAGCGCGC 22
```

RESULT 5

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US-10-259-678-635/C
; Sequence 635, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-259-678-635
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Query Match          92.4%; Score 19.4; DB 6; Length 376;
Best Local Similarity 95.2%; Pred. No. 47;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      1 AGCGATGAGGAGGATGCGGC 21
Db      65 AGCGATGAGGAGGAGCGCGC 45
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RESULT 6

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US-10-259-678-521/C
; Sequence 521, Application US/10259678
; Publication No. US20030198974A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Gordon, Stephen
; APPLICANT: Billault, Alain
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/10/259,678
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; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US/09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-259-678-521
```

```
Query Match          92.4%; Score 19.4; DB 6; Length 406;
Best Local Similarity 95.2%; Pred. No. 46;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      1 AGCGATGAGGAGGATGCGGC 21
Db      37 AGCGATGAGGAGGAGCGCGC 17
```

RESULT 7

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US-10-282-122A-26008
; Sequence 26008, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EMBL 0348
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26008
; LENGTH: 936
; TYPE: DNA
; ORGANISM: Mycobacterium avium
US-10-282-122A-26008
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```
Query Match          92.4%; Score 19.4; DB 7; Length 936;
Best Local Similarity 95.2%; Pred. No. 41;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGGAGGATGGCGC 21
Db 916 AGCGATGAGGAGGAGCGCGC 936

RESULT 8
US-10-282-122A-26164
; Sequence 26164, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26164
; LENGTH: 1287
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26164

Query Match 92.4%; Score 19.4; DB 7; Length 1287;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCGC 21
Db 55 AGCGATGAGGAGGAGCGCGC 75

RESULT 9
US-10-282-122A-28483
; Sequence 28483, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl

; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28483
; LENGTH: 1290
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28483

Query Match 92.4%; Score 19.4; DB 7; Length 1290;
Best Local Similarity 95.2%; Pred. No. 40;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGGCGC 21
Db 55 AGCGATGAGGAGGAGCGCGC 75

RESULT 10
US-09-791-171-71
; Sequence 71, Application US/09791171
; Patent No. US20020094336A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WEIDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/791,171
; CURRENT FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97

; PRIOR FILING DATE: 1997-11-10
; PRIOR APPLICATION NUMBER: 60/044,624
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 60/070,488
; PRIOR FILING DATE: 1998-01-05
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-791-171-71

Query Match 92.4%; Score 19.4; DB 3; Length 1890;
Best Local Similarity 95.2%; Pred. No. 38;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCGC 21
|||||
Db 3 AGCGATGAGGAGAGCGCGC 23

RESULT 11
US-09-804-980-71
; Sequence 71, Application US/09804980
; Publication No. US20030147897A1
; GENERAL INFORMATION:
; APPLICANT: Statens Serum Institut
; APPLICANT: Anderson, Peter
; TITLE OF INVENTION: M. Tuberculosis Antigens
; FILE REFERENCE: 670001-2002.4
; CURRENT APPLICATION NUMBER: US/09/804,980
; CURRENT FILING DATE: 2001-03-12
; NUMBER OF SEQ ID NOS: 257
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-71

Query Match 92.4%; Score 19.4; DB 3; Length 1890;
Best Local Similarity 95.2%; Pred. No. 38;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCGC 21
|||||
Db 3 AGCGATGAGGAGAGCGCGC 23

RESULT 12
US-10-620-246-71
; Sequence 71, Application US/10620246
; Publication No. US20040115211A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: ØRTINGEN, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; FILE REFERENCE: 670001-2002.1A
; CURRENT APPLICATION NUMBER: US/10/620,246
; CURRENT FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97
; PRIOR FILING DATE: 1997-11-10

; PRIOR APPLICATION NUMBER: 60/044,624
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 60/070,488
; PRIOR FILING DATE: 1998-01-05
; PRIOR APPLICATION NUMBER: 10/138,473
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 09/791,171
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/415,884
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/116,673
; PRIOR FILING DATE: 1999-01-21
; PRIOR APPLICATION NUMBER: 1281/98
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
; LENGTH: 1890
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-620-246-71

Query Match 92.4%; Score 19.4; DB 7; Length 1890;
Best Local Similarity 95.2%; Pred. No. 38;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCGC 21
|||||
Db 3 AGCGATGAGGAGAGCGCGC 23

RESULT 13
US-10-510-021-2
; Sequence 2, Application US/10510021
; Publication No. US20050220811A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Brosch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Ialeh
; APPLICANT: Demangel, Caroline
; APPLICANT: Leclercq, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RDI and
; TITLE OF INVENTION: RDS leading to improve vaccine of M. bovis BCG and M.
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 13773
; TYPE: DNA
; ORGANISM: mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Complete DNA sequence of RDI RV3867-3877
US-10-510-021-2

Query Match 92.4%; Score 19.4; DB 9; Length 13773;
Best Local Similarity 95.2%; Pred. No. 29;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGGCGC 21
|||||
Db 5982 AGCGATGAGGAGAGCGCGC 6002

RESULT 14

US-10-510-021-1
; Sequence 1, Application US/10510021
; Publication No. US2005022081A1
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Pym, Alexander S
; APPLICANT: Broesch, Roland
; APPLICANT: Brodin, Priscille
; APPLICANT: Majlessi, Laleh
; APPLICANT: Demangel, Caroline
; APPLICANT: Leclerc, Claude
; TITLE OF INVENTION: Identification of virulence associated regions RD1 and
; TITLE OF INVENTION: RDS leading to improve vaccine of M. bovis BCG and M.
; TITLE OF INVENTION: microti
; FILE REFERENCE: D20217
; CURRENT APPLICATION NUMBER: US/10/510,021
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: PCT/IB03/01789
; PRIOR FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: EP 02/290864
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 31808
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: Insert of cosmid RD1-2F9 corresponding to sequence
; OTHER INFORMATION: in the genome of mycobacterium tuberculosis H37rv
US-10-510-021-1

Query Match 92.4%; Score 19.4; DB 9; Length 31808;
Best Local Similarity 95.2%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGCG 21
DB 11943 AGCGATGAGGAGAGTGCGCG 11963

RESULT 15
US-10-437-963-100131
; Sequence 100131, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 100131
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_97878C.1
US-10-437-963-100131

Query Match 90.5%; Score 19; DB 7; Length 399;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 CGATGAGGAGAGTGCGCG 21

DB 174 CGATGAGGAGAGTGCGCG 192

RESULT 16
US-10-437-963-49435
; Sequence 49435, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 49435
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_52017C.1
US-10-437-963-49435

Query Match 87.6%; Score 18.4; DB 7; Length 414;
Best Local Similarity 95.0%; Pred. No. 1.3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGCG 20
DB 337 AGCGATGAGGAGAGTGCGCG 356

RESULT 17
US-10-437-963-96792/C
; Sequence 96792, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 96792
; LENGTH: 1034
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_94856C.1
US-10-437-963-96792

Query Match 87.6%; Score 18.4; DB 7; Length 1034;
Best Local Similarity 95.0%; Pred. No. 1.1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGAGTGCGCG 20

Db 903 AGGATGAGGAGGAGTGGCG 884

```
RESULT 18
US-10-437-963-50000
; Sequence 50000, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovall, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; LENGTH: 189
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_5252C.1
US-10-437-963-50000
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Query Match 82.9%; Score 17.4; DB 7; Length 189;
Best Local Similarity 94.7%; Pred. No. 3.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGGCG 20
Db 119 GCGATGAGGAGGAGTGGCG 137

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RESULT 19
US-10-437-963-67166
; Sequence 67166, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovall, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; LENGTH: 798
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_68049C.1
US-10-437-963-67166
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Query Match 82.9%; Score 17.4; DB 7; Length 798;
Best Local Similarity 94.7%; Pred. No. 3.2e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGGCG 20
Db 772 GCGATGAGGAGGAGTGGCG 790

```
RESULT 20
US-10-305-720-893
; Sequence 893, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Selthamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 893
; LENGTH: 280
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 696484
; NAME/KEY: unsure
; LOCATION: (1) ... (280)
; OTHER INFORMATION: a, t, c, g, or other
US-10-305-720-893
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Query Match 81.0%; Score 17; DB 6; Length 280;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGATGAGGAGGAGTGG 17
Db 154 AGGATGAGGAGGAGTGG 170

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RESULT 21
US-10-779-543-3332
; Sequence 3332, Application US/10779543
; Publication No. US20050227917A1
; GENERAL INFORMATION:
; APPLICANT: Williams et al
; TITLE OF INVENTION: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
; FILE REFERENCE: IN CANCEROUS CELLS AND THEIR METHODS OF USE II
; CURRENT APPLICATION NUMBER: US/10/779,543
; CURRENT FILING DATE: 2004-02-12
; PRIOR APPLICATION NUMBER: 10/076,555
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 09/217,471
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/068,755
; PRIOR FILING DATE: 1997-12-23
; PRIOR APPLICATION NUMBER: 60/080,664
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: 60/105,234
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 09/297,648
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: PCT/US99/01619
; PRIOR FILING DATE: 1999-01-28
; PRIOR APPLICATION NUMBER: 60/072,910
; PRIOR FILING DATE: 1998-01-28
; PRIOR APPLICATION NUMBER: 60/075,954
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/080,114
; PRIOR FILING DATE: 1998-03-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 23767
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3332
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; LENGTH: 300
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-779-543-3332

Query Match      81.0%; Score 17; DB 9; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGAGTG 17
Db      257 AGCGATGAGGAGAGTG 273

RESULT 22
US-09-981-876-24
; Sequence 24, Application US/09981876
; Patent No. US2002016469A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/981,876
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,336
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/047,615
; PRIOR FILING DATE: 1997-05-23
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; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,597
; PRIOR FILING DATE: 1997-05-23
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; PRIOR FILING DATE: 1997-05-23
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; PRIOR FILING DATE: 1997-05-23
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; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,580
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; PRIOR APPLICATION NUMBER: 60/043,568
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,569
; PRIOR FILING DATE: 1997-04-11
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; PRIOR FILING DATE: 1997-04-11
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; PRIOR APPLICATION NUMBER: 60/048,974
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PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,845
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,892
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/047,595
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/057,761
PRIOR FILING DATE: 05-Sep-1997
PRIOR APPLICATION NUMBER: 60/047,599
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,588
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,585
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,586
PRIOR FILING DATE: 1997-05-23
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PRIOR FILING DATE: 1997-05-23
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PRIOR APPLICATION NUMBER: 60/047,593
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,614
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/043,578
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,576
PRIOR FILING DATE: 1997-04-11
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PRIOR FILING DATE: 1997-05-23
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PRIOR FILING DATE: 1997-04-11
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PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,664
PRIOR FILING DATE: 1997-08-22
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PRIOR FILING DATE: 1997-08-22
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PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,862
PRIOR FILING DATE: 1997-08-22
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PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,908
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/048,964
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/057,650
PRIOR FILING DATE: 1997-09-05
PRIOR APPLICATION NUMBER: 60/056,884
PRIOR FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGCGATGAGGAGGATG 17
Db 246 AGCGATGAGGAGGATG 262

RESULT 23
US-09-148-545-24
Sequence 24, Application US/09148545
Publication No. US20030027132A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001p1
CURRENT APPLICATION NUMBER: US/09/148,545
EARLIER FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
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EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
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EARLIER APPLICATION NUMBER: 60/056,889
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EARLIER APPLICATION NUMBER: 60/056,893
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EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
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EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
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EARLIER APPLICATION NUMBER: 60/056,909
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EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 81.0%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 4.8e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 1 AGCGATGAGGAGAGTG 17
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Db 246 AGCGATGAGGAGAGTG 262


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RESULT 24
US-10-979-111-24
; Sequence 24, Application US/10979111
; Publication No. US2005021575A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/10/979, 111
; CURRENT FILING DATE: 2004-11-02
; PRIOR APPLICATION NUMBER: US/09/621, 011
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 09/148, 545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040, 162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040, 333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038, 621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040, 161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040, 626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040, 334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040, 163
; PRIOR FILING DATE: 1997-03-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 796
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-979-111-24

Query Match      81.0%; Score 17; DB 9; Length 796;
Best Local Similarity 100.0%; Pred. No. 4,8e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      246 AGCGATGAGGAGGAGTG 262

RESULT 25
US-09-981-876-89
; Sequence 89, Application US/09981876
; Patent No. US20020164659A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/981, 876
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/148, 545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040, 162
; PRIOR FILING DATE: 1997-03-07
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; PRIOR FILING DATE: 1997-03-07
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; PRIOR FILING DATE: 1997-06-06
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;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/048,964
;; PRIOR FILING DATE: 1997-06-06
;; PRIOR APPLICATION NUMBER: 60/057,650
;; PRIOR FILING DATE: 1997-09-05
;; PRIOR APPLICATION NUMBER: 60/056,884
;; PRIOR FILING DATE: 1997-08-22
;; NUMBER OF SEQ ID NOS: 280
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 89
;; LENGTH: 855

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Best Local Similarity 100.0%; Pred. No. 4,7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 124 AGCGATGAGGAGGATG 140

RESULT 26
US-09-148-545-89
;; Sequence 89, Application US/09148545
;; Publication No. US2003027132A1
;; GENERAL INFORMATION:
;; APPLICANT: Rosen et al.
;; TITLE OF INVENTION: 70 Human Secreted Proteins
;; FILE REFERENCE: P2001P1
;; CURRENT APPLICATION NUMBER: US/09/148,545
;; CURRENT FILING DATE: 1998-09-04
;; EARLIER APPLICATION NUMBER: PCT/US98/04482
;; EARLIER FILING DATE: 1998-03-06
;; EARLIER APPLICATION NUMBER: 60/040,162
;; EARLIER FILING DATE: 1997-03-07
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;; EARLIER FILING DATE: 1997-03-07
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;; EARLIER FILING DATE: 1997-03-07
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;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/040,626
;; EARLIER FILING DATE: 1997-03-07
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;; EARLIER FILING DATE: 1997-05-23
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;; EARLIER FILING DATE: 1997-05-23

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EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
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EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 89
LENGTH: 855

Query Match 81.0%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGAGTG 17
Db 124 AGCGATGAGGAGGAGTG 140

RESULT 27
US-10-979-111-89
Sequence 89, Application US/10979111
Publication No. US20050215775A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/10/979,111
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/621,011
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: 09/148,545
PRIOR FILING DATE: 1998-09-04
PRIOR APPLICATION NUMBER: 60/040,162
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,333
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/038,621
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,161
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,626
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,334
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,336
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,163
PRIOR FILING DATE: 1997-03-07
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 280
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 89
LENGTH: 855
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE

LOCATION: (103)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: SITE
LOCATION: (767)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: SITE
LOCATION: (831)
OTHER INFORMATION: n equals a,t,g, or c
US-10-979-111-89

Query Match 81.0%; Score 17; DB 9; Length 855;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGAGTG 17
Db 124 AGCGATGAGGAGGAGTG 140

RESULT 28
US-10-450-763-18397
Sequence 18397, Application US/10450763
Publication No. US20050196754A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 790CIP3/US
CURRENT APPLICATION NUMBER: US/10/450,763
CURRENT FILING DATE: 2003-06-11
PRIOR APPLICATION NUMBER: PCT/US01/08631
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 18397
LENGTH: 1015
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIMILAR
LOCATION: (381)..(515)
OTHER INFORMATION: 95% homologous to Homo sapiens 8D6 antigen, accession number
US-10-450-763-18397

Query Match 81.0%; Score 17; DB 9; Length 1015;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AGCGATGAGGAGGAGTG 17
Db 492 AGCGATGAGGAGGAGTG 508

RESULT 29
US-09-909-320-126
Sequence 126, Application US/09909320
Patent No. US20020132240A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang

```
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Geriltsen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Guiney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/909,320
/ PRIOR FILING DATE: 2002-01-04
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
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/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
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/ PRIOR APPLICATION NUMBER: PCT/US99/28564
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/ PRIOR APPLICATION NUMBER: PCT/US99/30095
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/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-909-320-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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/ Sequence 126, Application US/09909088B
/ Patent No. US20020146709A1
/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Geriltsen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Guiney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/909,088B
/ PRIOR FILING DATE: 2001-07-18
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-909-088B-126
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Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTG 17
|||
DB 282 AGCGATGAGGAGGAGTG 298

RESULT 31
US-09-905-291A-126
; Sequence 126, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16

;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 126
;; LENGTH: 1210
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-905-291A-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTG 17
|||
DB 282 AGCGATGAGGAGGAGTG 298

RESULT 32
US-09-902-853-126
; Sequence 126, Application US/09902853
; Publication No. US20020192659A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,853
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US/09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15

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; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-902-853-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 33
; US-09-907-824-126
; Sequence 126, Application US/09907824
; Publication No. US20020197671A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Paoni, James
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,824
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
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; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-907-824-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 34
; US-09-907-841-126
; Sequence 126, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Paoni, James
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
```

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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,841
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-841-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 35
US-09-904-011-126
; Sequence 126, Application US/09904011
; Publication No. US20030003530A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavrin, Ivar J.
; APPLICANT: Mather, Jenie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
```

```

; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,011
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-904-011-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 36
US-09-903-640-126
; Sequence 126, Application US/09903640
; Publication No. US20030017463A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
```


APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/903,640
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-903-640-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 282 AGCGATGAGGAGGAGTG 298

RESULT 37
US-09-908-093-126
Publication 126, Application US/09908093
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same

FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/908,093
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-908-093-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 282 AGCGATGAGGAGGAGTG 298
RESULT 38
US-09-906-742-126
Publication 126, Application US/09906742
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.

```

; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/223089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-742-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Freq. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 AGCGATGAGGAGAGTG 17
Db      282 AGCGATGAGGAGAGTG 298

RESULT 39
US-09-906-838-126
; Sequence 126, Application US/09906838
; Publication No. US20030027143A1
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; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,838
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-838-126
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Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGAGTG 17
Db 282 AGCGATGAGGAGAGTG 298

RESULT 40
US-09-907-613-126
; Sequence 126, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-613-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGAGTG 17
Db 282 AGCGATGAGGAGAGTG 298

RESULT 41
US-09-907-942-126
; Sequence 126, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-942-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 282 AGCGATGAGGAGGATG 298

RESULT 42

US-09-904-859-126
Sequence 126, Application US/09904859
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,859
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-859-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATG 17
Db 282 AGCGATGAGGAGGATG 298

RESULT 43

US-09-909-204-126
Sequence 126, Application US/09909204
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.

```
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/909,204
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-909-204-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 AGCGATGAGGAGGATG 17
      282 AGCGATGAGGAGGATG 298

RESULT 44
US-09-904-820-126
/ Sequence 126, Application US/09904820
/ Publication No. US2003036094A1
/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
```

```
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth, J.
/ APPLICANT: Kijavini, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/904,820
/ PRIOR APPLICATION NUMBER: 09/665,350
/ PRIOR FILING DATE: 2000-09-18
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 126
/ LENGTH: 1210
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-09-904-820-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 AGCGATGAGGAGGATG 17
      282 AGCGATGAGGAGGATG 298
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RESULT 45
US-09-904-786-126
; Sequence 126, Application US/09904786
; Publication No. US20030039969A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,786
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-786-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298

RESULT 46
US-09-906-646-126
; Sequence 126, Application US/09906646
; Publication No. US20030039972A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,646
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-646-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATG 17
Db      282 AGCGATGAGGAGGATG 298

RESULT 47
US-09-906-700-126
; Sequence 126, Application US/09906700
; Publication No. US20030039972A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
```

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,700
CURRENT FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-700-126

Query Match 81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCGATGAGGAGGATG 17
Db 282 AGCGATGAGGAGGATG 298

RESULT 48
US-09-903-786-126
Sequence 126, Application US/09903786
Publication No. US20030044793A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/903,786
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999

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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-786-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 49
US-09-902-903-126
; Sequence 126, Application US/09902903
; Publication No. US20030044839A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,903
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
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; PRIOR APPLICATION NUMBER: PCT/US99/28313
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; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
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; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-903-126

Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGAGTG 17
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 50
US-09-903-749A-126
; Sequence 126, Application US/09903749A
; Publication No. US20030045693A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/903,749A
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
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; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
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; PRIOR FILING DATE: 1999-12-02
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; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-903-749A-126
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Query Match      81.0%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AGCGATGAGGAGGAGTG 17
          |||||
Db      282 AGCGATGAGGAGGAGTG 298
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Job time : 535.763 secs

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Thu Jan 12 11:19:10 2006

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:29:07 : Search time 286.169 Seconds
(without alignments)
59.392 Million cell updates/sec

Title: US-10-086-206a-2_COPY_31_51
Perfect score: 21
Sequence: 1 agcgatgagagagagcgcg 21

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 6038814 seqs, 404674181 residues

Total number of hits satisfying chosen parameters: 12077628

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database :

- Published Applications NA New:*
- 1: /cgn2_6/prodata/2/pubpna/us08_NEW_PUB.seq:*
 - 2: /cgn2_6/prodata/2/pubpna/us06_NEW_PUB.seq:*
 - 3: /cgn2_6/prodata/2/pubpna/us07_NEW_PUB.seq:*
 - 4: /cgn2_6/prodata/2/pubpna/PCR_NEW_PUB.seq:*
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 - 6: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq:*
 - 7: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq:*
 - 8: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq2:*
 - 9: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq3:*
 - 10: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	19.4	92.4	173	6	US-10-802-796-526 Sequence 526, App
C 2	19.4	92.4	234	6	US-10-802-796-597 Sequence 597, App
C 3	19.4	92.4	241	6	US-10-802-796-586 Sequence 586, App
C 4	19.4	92.4	376	6	US-10-802-796-635 Sequence 635, App
C 5	19.4	92.4	406	6	US-10-802-796-521 Sequence 521, App
6	17	81.0	1210	6	US-10-131-826A-311 Sequence 311, App
7	17	81.0	1375	7	US-11-080-991-33 Sequence 33, App
C 8	16.2	77.1	448	6	US-10-802-796-60 Sequence 60, App
9	16.2	77.1	481	7	US-11-128-061-2157 Sequence 2157, App
10	16.2	77.1	481	7	US-11-128-061-5799 Sequence 5799, App
11	16.2	77.1	975	6	US-10-858-730-42 Sequence 42, App
12	16.2	77.1	2288	7	US-11-108-528-67 Sequence 67, App
13	15.4	73.3	19	8	US-11-101-244-1317804 Sequence 1317804, App
14	15.4	73.3	19	8	US-11-083-784-1317804 Sequence 1317804, App
C 15	15.4	73.3	217	6	US-10-802-796-266 Sequence 266, App
C 16	15.4	73.3	1518	9	US-11-082-389-283 Sequence 283, App
C 17	15.4	73.3	1877	6	US-10-750-185-36768 Sequence 36768, App
C 18	15.4	73.3	1877	6	US-10-750-623-36768 Sequence 36768, App
C 19	15.2	72.4	73	6	US-10-310-914A-15865 Sequence 15865, App
20	15.2	72.4	201	6	US-10-995-561-12142 Sequence 12142, App
21	15.2	72.4	201	6	US-10-995-561-12160 Sequence 12160, App
22	15.2	72.4	201	6	US-10-995-561-12212 Sequence 12212, App
23	15.2	72.4	201	6	US-10-995-561-12265 Sequence 12265, App

24	15.2	72.4	201	6	US-10-995-561-12218 Sequence 12318, A
25	15.2	72.4	201	6	US-10-995-561-62324 Sequence 62324, A
26	15.2	72.4	374	6	US-10-802-796-567 Sequence 567, App
27	15.2	72.4	597	7	US-11-147-047-16 Sequence 16, App
28	15.2	72.4	682	6	US-10-750-185-26148 Sequence 26148, A
29	15.2	72.4	682	6	US-10-750-623-26148 Sequence 26148, A
30	15.2	72.4	686	6	US-10-516-768-10 Sequence 10, App
31	15.2	72.4	1978	6	US-10-995-561-470 Sequence 470, App
32	15.2	72.4	2095	6	US-10-750-185-57897 Sequence 57897, A
33	15.2	72.4	2095	6	US-10-750-623-57897 Sequence 57897, A
34	15.2	72.4	6683	6	US-10-995-561-473 Sequence 473, App
35	15.2	72.4	6700	6	US-10-995-561-472 Sequence 472, App
36	15.2	72.4	6786	7	US-11-069-834-59 Sequence 59, App
37	15.2	72.4	6833	6	US-10-995-561-471 Sequence 471, App
38	15.2	72.4	6871	6	US-10-995-561-474 Sequence 474, App
39	15.2	72.4	38449	6	US-10-995-561-13358 Sequence 13358, A
40	15.2	72.4	13185	7	US-11-112-908-29 Sequence 29, App
41	15.2	72.4	143389	7	US-11-112-908-30 Sequence 30, App
42	15.2	72.4	150314	7	US-11-112-908-24 Sequence 24, App
43	15.2	72.4	157224	7	US-11-112-908-51 Sequence 51, App
44	15.2	72.4	164810	7	US-11-121-086-4 Sequence 4, App
45	15.2	72.4	166020	7	US-11-112-908-28 Sequence 28, App
46	15.2	72.4	170189	7	US-11-112-908-50 Sequence 50, App
47	15.2	72.4	181172	7	US-11-121-086-41 Sequence 41, App
48	15.2	72.4	1082144	7	US-11-117-187-211 Sequence 211, App
49	15	71.4	19	8	US-11-101-244-945697 Sequence 945697, App
50	15	71.4	19	9	US-11-083-784-945697 Sequence 945697, App
C 51	14.8	70.5	19	6	US-10-310-914A-1259572 Sequence 1259572, App
52	14.8	70.5	20	6	US-10-310-914A-86069 Sequence 86069, A
53	14.8	70.5	201	6	US-10-995-561-24350 Sequence 24350, A
54	14.8	70.5	649	6	US-10-516-768-7 Sequence 7, App
55	14.8	70.5	669	6	US-10-821-234-699 Sequence 699, App
56	14.8	70.5	754	6	US-10-750-185-37250 Sequence 37250, A
57	14.8	70.5	754	6	US-10-750-623-37250 Sequence 37250, A
C 58	14.8	70.5	1097	6	US-10-750-185-39369 Sequence 39369, A
C 59	14.8	70.5	1363	6	US-10-750-623-39369 Sequence 39369, A
60	14.8	70.5	1363	6	US-10-750-185-38129 Sequence 38129, A
61	14.8	70.5	1312	6	US-10-750-623-38129 Sequence 38129, A
62	14.8	70.5	1412	6	US-10-750-185-29171 Sequence 29171, A
63	14.8	70.5	1412	6	US-10-750-623-29171 Sequence 29171, A
C 64	14.8	70.5	2681	7	US-11-136-527-3798 Sequence 3798, App
65	14.8	70.5	3369	7	US-11-136-527-3416 Sequence 3416, App
66	14.8	70.5	3391	6	US-10-750-185-58160 Sequence 58160, A
67	14.8	70.5	3391	6	US-10-750-623-58160 Sequence 58160, A
68	14.8	70.5	3502	7	US-11-136-527-2484 Sequence 2484, App
69	14.8	70.5	4965	6	US-10-947-249-165 Sequence 165, App
70	14.8	70.5	159138	6	US-10-995-561-13230 Sequence 13230, A
C 71	14.8	70.5	170995	7	US-11-121-086-35 Sequence 35, App
72	14.8	70.5	179777	7	US-11-121-086-106 Sequence 106, App
73	14.6	69.5	61	6	US-10-310-914A-2815 Sequence 2815, App
74	14.6	69.5	201	6	US-10-995-561-73864 Sequence 73864, A
75	14.6	69.5	201	7	US-11-124-368A-20437 Sequence 20437, A
76	14.6	69.5	1400	7	US-11-128-061-7016 Sequence 7016, App
77	14.6	69.5	1560	6	US-10-750-185-31290 Sequence 31290, A
78	14.6	69.5	1560	6	US-10-750-623-31290 Sequence 31290, A
79	14.6	69.5	1609	6	US-10-750-185-59170 Sequence 59170, A
80	14.6	69.5	1609	6	US-10-750-623-59170 Sequence 59170, A
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82	14.6	69.5	1593	6	US-10-750-623-50007 Sequence 50007, A
C 83	14.6	69.5	1795	6	US-10-750-185-36389 Sequence 36389, A
84	14.6	69.5	1795	6	US-10-750-623-36389 Sequence 36389, A
C 85	14.6	69.5	2125	6	US-10-750-185-33435 Sequence 33435, A
86	14.6	69.5	2125	6	US-10-750-623-33435 Sequence 33435, A
C 87	14.6	69.5	2125	7	US-11-128-061-3374 Sequence 3374, App
88	14.6	69.5	2256	6	US-10-750-185-39204 Sequence 39204, A
C 89	14.6	69.5	2256	6	US-10-750-623-39204 Sequence 39204, A
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93	14.6	69.5	3386	6	US-10-750-623-48137 Sequence 48137, A
94	14.6	69.5	22882	6	US-10-995-561-13451 Sequence 13451, A
95	14.6	69.5	41081	7	US-11-124-368A-28331 Sequence 28331, App
C 96	14.6	69.5	101046	6	US-10-995-561-13330 Sequence 13330, A

243	13.8	65.7	201	6	US-10-995-561-75776	Sequence 75776, A	C 316	13.8	65.7	6892	7	US-11-136-527-229	Sequence 229, App
244	13.8	65.7	201	6	US-10-995-561-77913	Sequence 77913, A	C 317	13.8	65.7	8553	7	US-11-136-527-229	Sequence 229, App
245	13.8	65.7	201	6	US-11-124-368A-8853	Sequence 8853, Ap	C 318	13.8	65.7	12187	7	US-11-124-368A-2928	Sequence 2928, Ap
246	13.8	65.7	396	6	US-10-769-744-558	Sequence 558, App	C 319	13.8	65.7	27032	6	US-10-995-561-13468	Sequence 13468, A
247	13.8	65.7	396	6	US-10-769-744-559	Sequence 559, App	C 320	13.8	65.7	38023	6	US-10-995-561-13251	Sequence 13251, A
248	13.8	65.7	396	6	US-10-769-744-560	Sequence 560, App	C 321	13.8	65.7	40349	7	US-11-117-187-184	Sequence 184, App
249	13.8	65.7	396	6	US-10-769-744-561	Sequence 561, App	C 322	13.8	65.7	78869	7	US-11-075-185-11	Sequence 1, Appl1
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251	13.8	65.7	468	6	US-10-508-263-41	Sequence 41, Appl1	C 324	13.8	65.7	137935	6	US-10-995-561-13478	Sequence 13278, A
252	13.8	65.7	477	6	US-10-508-263-43	Sequence 43, Appl1	C 325	13.8	65.7	169047	7	US-11-121-086-15	Sequence 15, Appl1
253	13.8	65.7	570	6	US-10-454-437-257	Sequence 257, App	C 326	13.8	65.7	169495	7	US-11-121-086-61	Sequence 61, Appl1
254	13.8	65.7	600	6	US-10-750-185-635	Sequence 635, App	C 327	13.8	65.7	172111	7	US-11-121-086-28	Sequence 28, Appl1
255	13.8	65.7	600	6	US-10-750-623-635	Sequence 635, App	C 328	13.8	65.7	187786	6	US-10-995-561-13474	Sequence 13474, A
256	13.8	65.7	659	6	US-10-750-185-31317	Sequence 31317, A	C 329	13.8	65.7	187986	6	US-10-995-561-13552	Sequence 13552, A
257	13.8	65.7	659	6	US-10-750-623-31317	Sequence 31317, A	C 330	13.8	65.7	214000	6	US-10-769-744-1	Sequence 1, Appl1
258	13.8	65.7	735	6	US-10-775-169-172	Sequence 172, App	C 331	13.8	65.7	218821	7	US-11-121-086-31	Sequence 31, Appl1
259	13.8	65.7	752	6	US-10-750-185-37085	Sequence 37085, A	C 332	13.8	65.7	218805	6	US-10-925-561-13215	Sequence 13215, A
260	13.8	65.7	752	6	US-10-750-623-37085	Sequence 37085, A	C 333	13.8	65.7	403278	6	US-10-995-561-13421	Sequence 13421, A
261	13.8	65.7	767	6	US-10-497-135-17	Sequence 17, Appl1	C 334	13.6	64.8	64.8	20	US-10-310-914A-661594	Sequence 681594, A
262	13.8	65.7	792	6	US-10-750-185-28001	Sequence 28001, A	C 335	13.6	64.8	64.8	21	US-10-310-914A-1195904	Sequence 1195904, A
263	13.8	65.7	792	6	US-10-750-623-28001	Sequence 28001, A	C 336	13.6	64.8	64.8	22	US-10-310-914A-1195965	Sequence 1195965, A
264	13.8	65.7	893	9	US-11-033-764-46	Sequence 46, Appl1	C 337	13.6	64.8	64.8	23	US-10-310-914A-200459	Sequence 200459, A
265	13.8	65.7	944	6	US-10-750-185-51837	Sequence 51837, A	C 338	13.6	64.8	64.8	23	US-10-310-914A-7599748	Sequence 7599749, A
266	13.8	65.7	944	6	US-10-750-623-51837	Sequence 51837, A	C 339	13.6	64.8	64.8	24	US-10-310-914A-7599748	Sequence 7599749, A
267	13.8	65.7	971	6	US-10-750-185-40542	Sequence 40542, A	C 340	13.6	64.8	64.8	24	US-10-310-914A-7599748	Sequence 7599749, A
268	13.8	65.7	971	6	US-10-750-623-40542	Sequence 40542, A	C 341	13.6	64.8	64.8	25	US-11-121-8	


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973 13.2 62.9 30140 7 US-11-052-544-29 Sequence 29, Appl
974 13.2 62.9 32325 7 US-11-136-812-1 Sequence 1, Appl
975 13.2 62.9 34794 7 US-11-136-912-2 Sequence 2, Appl
976 13.2 62.9 34794 7 US-11-165-697-44 Sequence 44, Appl
977 13.2 62.9 34875 6 US-10-775-169-316 Sequence 316, Ap
978 13.2 62.9 37500 6 US-10-522-037-1 Sequence 1, Appl
979 13.2 62.9 44229 7 US-11-124-368A-2910 Sequence 2910, Ap
980 13.2 62.9 56448 6 US-10-995-561-13369 Sequence 13369, A
981 13.2 62.9 67467 7 US-11-124-368A-2889 Sequence 2889, Ap
982 13.2 62.9 73404 7 US-11-124-368A-2914 Sequence 2914, Ap
983 13.2 62.9 79134 7 US-11-124-368A-2924 Sequence 2924, Ap
984 13.2 62.9 88873 6 US-10-995-561-13383 Sequence 13383, A
985 13.2 62.9 92600 6 US-10-857-780-1 Sequence 1, Appl
986 13.2 62.9 96128 6 US-10-995-561-13197 Sequence 13197, A
987 13.2 62.9 100000 7 US-11-124-368A-2881 Sequence 2881, Ap
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989 13.2 62.9 114801 7 US-11-121-086-22 Sequence 22, Appl
990 13.2 62.9 120096 7 US-11-121-086-24 Sequence 24, Appl
991 13.2 62.9 124972 7 US-11-121-086-100 Sequence 100, App
992 13.2 62.9 126532 7 US-11-121-086-1 Sequence 1, Appl
993 13.2 62.9 126532 7 US-11-121-086-1 Sequence 1, Appl
994 13.2 62.9 156297 7 US-11-121-086-65 Sequence 65, Appl
995 13.2 62.9 160226 7 US-11-121-086-29 Sequence 29, Appl
996 13.2 62.9 164527 7 US-11-121-086-71 Sequence 71, Appl
997 13.2 62.9 164810 7 US-11-121-086-4 Sequence 4, Appl
998 13.2 62.9 165883 7 US-11-112-908-18 Sequence 18, Appl
999 13.2 62.9 169725 7 US-11-121-086-63 Sequence 63, Appl
1000 13.2 62.9 171427 7 US-11-112-908-60 Sequence 60, Appl
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ALIGNMENTS

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RESULT 1
; US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-526
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Query Match 92.4%; Score 19.4; DB 6; Length 173;
Best Local Similarity 95.2%; Pred. No. 5.3;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGGAGAGTGCGGC 21
Db 54 AGCGATGAGGAGAGTGCGGC 34
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RESULT 2

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US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-597
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Best Local Similarity 95.2%; Pred. No. 5.4;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGGAGAGTGCGGC 21
Db 62 AGCGATGAGGAGAGTGCGGC 42
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RESULT 3
; US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-10-802-796-586
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Query Match 92.4%; Score 19.4; DB 6; Length 241;
Best Local Similarity 95.2%; Pred. No. 5.4;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 AGCGATGAGGAGAGTGCGGC 21
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Db 42 AGCGATGAGGAGGAGCGCGC 22

RESULT 4

US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-635

Query Match 92.4%; Score 19.4; DB 6; Length 376;
Best Local Similarity 95.2%; Pred. No. 5.5;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCGC 21
Db 65 AGCGATGAGGAGGAGCGCGC 45

RESULT 5

US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-521

Query Match 92.4%; Score 19.4; DB 6; Length 406;
Best Local Similarity 95.2%; Pred. No. 5.5;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCGC 21
Db 37 AGCGATGAGGAGGAGCGCGC 17

RESULT 6

US-10-131-826A-311
; Sequence 311, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 311
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-131-826A-311

Query Match 81.0%; Score 17; DB 6; Length 1210;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGG 17
Db 282 AGCGATGAGGAGGAGTGG 298

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RESULT 7
US-11-080-991-33
; Sequence 33, Application US/11080991
; Publication No. US20050266437A1
; GENERAL INFORMATION:
; APPLICANT: Veibry, Peter Ole
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; FILE REFERENCE: MRI-039
; CURRENT APPLICATION NUMBER: US/11/080,991
; PRIOR FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/10/176,847
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 1375
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
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; LOCATION: 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346,
; LOCATION: 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356,
; LOCATION: 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 1366, 1367, 1368, 1369, 1370, 1371, 1372
; OTHER INFORMATION: n = A,T,C or G
US-11-080-991-33
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Query Match      81.0%; Score 17; DB 7; Length 1375;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AGCGATGAGGAGAGTG 17
Db      324 AGCGATGAGGAGAGTG 340
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RESULT 8
US-10-802-796-60/c
; Sequence 60, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; PRIOR FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (154)..(155)
```

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; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (322)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (334)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (347)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-60

Query Match      77.1%; Score 16.2; DB 6; Length 448;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY      1 AGCGATGAGGAGAGTGCGGC 21
Db      408 AGCGATGAGGAGAGAGCGGCGC 388
```

```
RESULT 9
US-11-128-061-2157
; Sequence 2157, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounes, William M.
; APPLICANT: Hamn, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; PRIOR FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2157
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Cricetus griseus
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (31)..(46)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (83)..(101)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-2157
```

```
Query Match      77.1%; Score 16.2; DB 7; Length 481;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
QY      1 AGCGATGAGGAGAGTGCGGC 21
Db      148 AGCGAGGAGGAGAGCGGCGC 168
```

```
RESULT 10
US-11-128-061-5799
; Sequence 5799, Application US/11128061
; Publication No. US20060003958A1
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Melville, Mark W.
/ APPLICANT: Charlebois, Timothy S.
/ APPLICANT: Mounts, William M.
/ APPLICANT: Hann, Louane E.
/ APPLICANT: Sinacore, Martin S.
/ APPLICANT: Leonard, Mark W.
/ APPLICANT: Brown, Eugene L.
/ APPLICANT: Miller, Christopher P.
/ TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
/ FILE REFERENCE: 0197.027701
/ CURRENT APPLICATION NUMBER: US/11/128,061
/ PRIOR FILING DATE: 2005-05-11
/ PRIOR APPLICATION NUMBER: US 60/570,425
/ PRIOR FILING DATE: 2004-05-11
/ NUMBER OF SEQ ID NOS: 7285
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 5799
/ LENGTH: 481
/ TYPE: DNA
/ ORGANISM: Cricetus griseus
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (31)..(46)
/ OTHER INFORMATION: n is a, c, g, or t
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (83)..(101)
/ OTHER INFORMATION: n is a, c, g, or t
/ US-11-128-061-5799

Query Match      77.1%; Score 16.2; DB 7; Length 481;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGAGTGCGCC 21
Db      148 AGCGAGGAGAGAGCGGCC 168

RESULT 11
US-10-858-730-42
/ Sequence 42, Application US/10858730
/ Publication No. US20050255568A1
/ GENERAL INFORMATION:
/ APPLICANT: Bailey, Richard B.
/ APPLICANT: Blomquist, Paul
/ APPLICANT: Doten, Reed
/ APPLICANT: Driggers, Edward M.
/ APPLICANT: Madden, Kevin T.
/ APPLICANT: O'Leary, Jessica
/ APPLICANT: O'Toole, George
/ APPLICANT: Trueheart, Joshua
/ APPLICANT: Walbridge, Michael J.
/ APPLICANT: Vorgey, Peter S.
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
/ FILE REFERENCE: 14184-030001
/ CURRENT APPLICATION NUMBER: US/10/858,730
/ PRIOR FILING DATE: 2004-06-01
/ PRIOR APPLICATION NUMBER: US 60/475,000
/ PRIOR FILING DATE: 2003-05-30
/ PRIOR APPLICATION NUMBER: US 60/551,860
/ PRIOR FILING DATE: 2004-03-10
/ NUMBER OF SEQ ID NOS: 364
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 42
/ LENGTH: 975
/ TYPE: DNA
/ ORGANISM: Thermobifida fusca
/ US-10-858-730-42
```

```
Query Match      77.1%; Score 16.2; DB 6; Length 975;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGAGTGCGCC 21
Db      184 AGCGATGAGGAGAGCGGCC 204

RESULT 12
US-11-108-528-67
/ Sequence 67, Application US/1108528
/ Publication No. US20050261189A1
/ GENERAL INFORMATION:
/ APPLICANT: Larsen, Glenn
/ APPLICANT: Marvin, Martha
/ APPLICANT: Li, Dean Y.
/ APPLICANT: Wang, Elizabeth
/ APPLICANT: Chen, C. M. Amy
/ APPLICANT: Shamah, Steven M.
/ TITLE OF INVENTION: METHODS OF PROMOTING CARDIAC CELL
/ FILE REFERENCE: HYDR-P01-041
/ CURRENT APPLICATION NUMBER: US/11/108,528
/ PRIOR FILING DATE: 2005-04-18
/ PRIOR APPLICATION NUMBER: US 60/563,137
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 60/598,368
/ PRIOR FILING DATE: 2004-08-02
/ NUMBER OF SEQ ID NOS: 86
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 67
/ LENGTH: 2288
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-11-108-528-67

Query Match      77.1%; Score 16.2; DB 7; Length 2288;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 AGCGATGAGGAGAGTGCGCC 21
Db      156 AGCGGTGAGAGAGTGCGCC 176

RESULT 13
US-11-101-244-1317804
/ Sequence 1317804, Application US/1101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmacon, Inc.
/ APPLICANT: Khvorova, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
/ PRIOR FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 1317804
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
/ US-11-101-244-1317804
```

Query Match 73.3%; Score 15.4; DB 8; Length 19;
Best Local Similarity 82.4%; Pred. No. 3.1e+02;
Matches 14; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 2 GCGATGAGGAGGAGTGG 18
DB 1 GCAAGAGGAGGAGGUGG 17

RESULT 14
US-11-083-784-1317804
Sequence 1317804, Application US/11083784
Publication No. US20050245475A1
GENERAL INFORMATION:
APPLICANT: Pharmacom, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT FILING DATE: 2005-03-18
PRIOR APPLICATION NUMBER: US/10/714,333
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1317804
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-083-784-1317804

Query Match 73.3%; Score 15.4; DB 9; Length 19;
Best Local Similarity 82.4%; Pred. No. 3.1e+02;
Matches 14; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGG 18
DB 1 GCAAGAGGAGGAGGUGG 17

RESULT 15
US-10-802-796-266/c
Sequence 266, Application US/10802796
Publication No. US20050250104A1
GENERAL INFORMATION:
APPLICANT: COLE, STEWART
APPLICANT: BUCHRIESER-BROSCH, ROLAND
APPLICANT: GORDON, STEPHEN
APPLICANT: BILLAULT, ALAIN
TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
TITLE OF INVENTION: MYCOBACTERIA.
FILE REFERENCE: 05394.0011-00000
CURRENT APPLICATION NUMBER: US/10/802,796
CURRENT FILING DATE: 2004-03-18
PRIOR APPLICATION NUMBER: US/09/673,476
PRIOR FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: PCT/IB99/00740
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 09/060,756
PRIOR FILING DATE: 1998-04-16
NUMBER OF SEQ ID NOS: 743
SOFTWARE: PatentIn Ver. 2.2
SEQ ID NO 266
LENGTH: 217

TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
NAME/KEY: modified base
LOCATION: (139)..(140)
OTHER INFORMATION: a, t, c or g
US-10-802-796-266

Query Match 73.3%; Score 15.4; DB 6; Length 217;
Best Local Similarity 94.1%; Pred. No. 3.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGG 17
DB 20 AGCGATGAGGAGGAGTGG 4

RESULT 16
US-11-082-389-283/c
Sequence 283, Application US/11082389
Publication No. US2005024935A1
GENERAL INFORMATION:
APPLICANT: Pompeius, Markus
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberhauser, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
TITLE OF INVENTION: TRANSPORT
FILE REFERENCE: BGI-131CPCN
CURRENT APPLICATION NUMBER: US/11/082,389
CURRENT FILING DATE: 2005-03-16
PRIOR APPLICATION NUMBER: US 09/603024
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/141031
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: US 60/143262
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: US 60/151281
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: DE 19930487.4
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19930489.0
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19931549.3
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931550.7
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19932134.5
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19941379.7
PRIOR FILING DATE: 1999-08-31
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 446
SEQ ID NO 283
LENGTH: 1518
TYPE: DNA
ORGANISM: Corynebacterium glutamicum
FEATURE:
NAME/KEY: CDS
LOCATION: (101)..(1495)
OTHER INFORMATION: RXA02663
US-11-082-389-283

Query Match 73.3%; Score 15.4; DB 9; Length 1518;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGG 18
DB 1044 GCGATGAGGAGGAGTGG 1028

RESULT 17
US-10-750-185-36768/c
; Sequence 36768, Application US/10750185
; Publication No. US200502603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: DNA
; ORGANISM: Bovine 1986680532175
US-10-750-185-36768

Query Match 73.3%; Score 15.4; DB 6; Length 1877;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 ATGAGGAGGAGTGGCGC 21
DB 432 ACGAGGAGGAGTGGCGC 416

RESULT 18
US-10-750-623-36768/c
; Sequence 36768, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: DNA
; ORGANISM: Bovine 1986680532175
US-10-750-623-36768

Query Match 73.3%; Score 15.4; DB 6; Length 1877;
Best Local Similarity 94.1%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 ATGAGGAGGAGTGGCGC 21
DB 432 ACGAGGAGGAGTGGCGC 416

RESULT 19
US-10-310-914A-15865/c

; Sequence 15865, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Snitler, Kuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 138402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 15865
; LENGTH: 73
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-15865

Query Match 72.4%; Score 15.2; DB 6; Length 73;
Best Local Similarity 85.0%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGGCGC 21
DB 56 GCGATGAGGAGGAGTGGCGC 37

RESULT 20
US-10-995-561-12142
; Sequence 12142, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12142
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12142

Query Match 72.4%; Score 15.2; DB 6; Length 201;
Best Local Similarity 85.0%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCGC 20
DB 63 AGCGATGAGGAGGAGTGGCGC 82

RESULT 21
US-10-995-561-12160
; Sequence 12160, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12160
; LENGTH: 201
; TYPE: DNA

```
; ORGANISM: Homo sapiens
US-10-995-561-12160

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGATGGCG 20
DB 63 AGCGATGAGAGAGATGGCG 82

RESULT 22
US-10-995-561-12212
; Sequence 12212, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12212
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12212

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGATGGCG 20
DB 63 AGCGATGAGAGAGATGGCG 82

RESULT 23
US-10-995-561-12265
; Sequence 12265, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12265
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12265

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGATGGCG 20
DB 63 AGCGATGAGAGAGATGGCG 82

RESULT 24
US-10-995-561-12318
; Sequence 12318, Application US/10995561
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; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12318
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12318

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGATGGCG 20
DB 63 AGCGATGAGAGAGATGGCG 82

RESULT 25
US-10-995-561-62324
; Sequence 62324, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62324
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-62324

Query Match
Best Local Similarity 72.4%; Score 15.2; DB 6; Length 201;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGATGGCG 20
DB 63 AGCGATGAGAGAGATGGCG 82

RESULT 26
US-10-802-796-567
; Sequence 567, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BOCHRIESSER-BROSCHE, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAUD, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
```



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; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patentin Ver. 2.2
; SEQ ID NO 567
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (13)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (15)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (20)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (23)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (93)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (205)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (262)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (268)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (275)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (327)
; OTHER INFORMATION: a, t, c or g
; OTHER INFORMATION: a, t, c or g
; US-10-802-796-567

Query Match      72.4%; Score 15.2; DB 6; Length 374;
Best Local Similarity 81.0%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1 AGCGATGAGGAGGATGCGGC 21
DB      274 ANCGATGCTGAGGAGCGCGC 294

RESULT 27
US-11-147-047-16
; Sequence 16; Application US/11147047
; Publication No. US2005026068A1
; GENERAL INFORMATION:
; APPLICANT: Agarwal, Pankaj
; APPLICANT: Mardock, Paul R.
; APPLICANT: Rizvi, Safia K.
; APPLICANT: Smith, Randall F.
; APPLICANT: Xiang, Zhaoying
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP50016
```

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; CURRENT APPLICATION NUMBER: US/11/147,047
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US/10/221,097
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: PCT/US01/07143
; PRIOR FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 60/187,107
; PRIOR FILING DATE: 2000-03-06
; PRIOR APPLICATION NUMBER: 60/236,874
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/188,916
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/237,846
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 597
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-147-047-16

Query Match      72.4%; Score 15.2; DB 7; Length 597;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 GCGATGAGGAGGATGCGGC 21
DB      425 GCGATGTGAGGAGATGCGC 444

RESULT 28
US-10-750-185-26148
; Sequence 26148; Application US/10750185
; Publication No. US2005026063A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 26148
; LENGTH: 682
; TYPE: DNA
; ORGANISM: Bovine
; US-10-750-185-26148

Query Match      72.4%; Score 15.2; DB 6; Length 682;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 GCGATGAGGAGGATGCGGC 21
DB      230 GCGATGGGAGGAGTGGGC 249

RESULT 29
US-10-750-623-26148
; Sequence 26148; Application US/10750623
; Publication No. US2005028751A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
```

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; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 26148
; LENGTH: 682
; TYPE: DNA
; ORGANISM: Bovine 19866881636281
US-10-750-623-26148

Query Match 72.4%; Score 15.2; DB 6; Length 682;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGAGAGTGGCGC 21
DB 230 GCGATGAGAGAGTGGCGC 249

RESULT 30
US-10-516-768-10
; Sequence 10, Application US/10516768
; Publication No. US20050256302A1
; GENERAL INFORMATION:
; APPLICANT: MINAMINO, NAOTO
; APPLICANT: KATAFUCHI, TAKESHI
; TITLE OF INVENTION: NOVEL PEPTIDES HAVING CAMP PRODUCING ACTIVITY
; FILE REFERENCE: 62273(71526)
; CURRENT APPLICATION NUMBER: US/10/516,768
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: PCT/JP03/06641
; PRIOR FILING DATE: 2003-05-28
; PRIOR APPLICATION NUMBER: JP 2002-162797
; PRIOR FILING DATE: 2002-06-04
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin Ver. 3.3
; SEQ ID NO: 10
; LENGTH: 686
; TYPE: DNA
; ORGANISM: Canis sp.
US-10-516-768-10

Query Match 72.4%; Score 15.2; DB 6; Length 686;
Best Local Similarity 85.0%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGAGAGTGGCGC 21
DB 227 GCGATGAGAGAGTGGCGC 246

RESULT 31
US-10-995-561-470
; Sequence 470, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: C0001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
```

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 470
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-470

Query Match 72.4%; Score 15.2; DB 6; Length 1978;
Best Local Similarity 85.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGTGGCGC 20
DB 1246 AGCGATGAGAGAGTGGCGC 1265

RESULT 32
US-10-750-185-57897
; Sequence 57897, Application US/10750185
; Publication No. US2005028603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 57897
; LENGTH: 2095
; TYPE: DNA
; ORGANISM: Bovine 19866880936915
US-10-750-185-57897

Query Match 72.4%; Score 15.2; DB 6; Length 2095;
Best Local Similarity 85.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGAGAGTGGCGC 20
DB 1007 AGCGATGAGAGAGTGGCGC 1026

RESULT 33
US-10-750-623-57897
; Sequence 57897, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 57897
; LENGTH: 2095
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TYPE: DNA
ORGANISM: Bovine 1986680936915
US-10-750-623-57897

Query Match 72.4%; Score 15.2; DB 6; Length 2095;
Best Local Similarity 85.0%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCG 20
|||
Db 1007 AGGATGAGGAGGTGTGGAG 1026

RESULT 34
US-10-995-561-473
; Sequence 473, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 473
; LENGTH: 6683
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-473

Query Match 72.4%; Score 15.2; DB 6; Length 6683;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCG 20
|||
Db 1058 AGCGATGAGGAGATGGCG 1077

RESULT 35
US-10-995-561-472
; Sequence 472, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 472
; LENGTH: 6700
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-472

Query Match 72.4%; Score 15.2; DB 6; Length 6700;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCG 20
|||
Db 1058 AGCGATGAGGAGATGGCG 1077

RESULT 36
US-11-069-834-59

; Sequence 59, Application US/11069834
; Publication No. US20050276811A1
; GENERAL INFORMATION:
; APPLICANT: CARROLL, MICHAEL C.
; APPLICANT: MOORE JR., FRANCIS D.
; APPLICANT: HECHTMAN, HERBERT B.
; TITLE OF INVENTION: NATURAL IGM ANTIBODIES AND INHIBITORS THEREOF
; FILE REFERENCE: CRA-002.01
; CURRENT APPLICATION NUMBER: US/11/069,834
; CURRENT FILING DATE: 2005-03-01
; PRIOR APPLICATION NUMBER: 60/588,648
; PRIOR FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: 60/549,123
; PRIOR FILING DATE: 2004-03-01
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 59
; LENGTH: 6786
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-069-834-59

Query Match 72.4%; Score 15.2; DB 7; Length 6786;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGTGGCG 21
|||
Db 2893 GCGAGGAGGAGGTGCAGC 2912

RESULT 37
US-10-995-561-471
; Sequence 471, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 471
; LENGTH: 6833
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-471

Query Match 72.4%; Score 15.2; DB 6; Length 6833;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGTGGCG 20
|||
Db 1246 AGCGATGAGGAGATGGCG 1265

RESULT 38
US-10-995-561-474
; Sequence 474, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 474
LENGTH: 6871
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-474

Query Match 72.4%; Score 15.2; DB 6; Length 6871;
Best Local Similarity 85.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGCGC 20
DB 1246 AGCGATGAGGAGGATGCGC 1265

RESULT 39
US-10-995-561-13358
Sequence 13358, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: C1001555
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13358
LENGTH: 38449
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-13358

Query Match 72.4%; Score 15.2; DB 6; Length 38449;
Best Local Similarity 85.0%; Pred. No. 4.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGATGCGC 20
DB 12109 AGCGATGAGGAGGATGCGC 12128

RESULT 40
US-11-112-908-29
Sequence 29, Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 29
LENGTH: 131855
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-29

Query Match 72.4%; Score 15.2; DB 7; Length 131855;

Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 2 GCGATGAGGAGGATGCGCC 21
DB 129353 GCGATGAGGAGGATGCGCTC 129372

RESULT 41
US-11-112-908-30
Sequence 30, Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 30
LENGTH: 143389
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-30

Query Match 72.4%; Score 15.2; DB 7; Length 143389;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGATGCGCC 21
DB 97126 GCGATGAGGAGGATGCGCTC 97145

RESULT 42
US-11-112-908-24
Sequence 24, Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 24
LENGTH: 150314
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-24

Query Match 72.4%; Score 15.2; DB 7; Length 150314;
Best Local Similarity 85.0%; Pred. No. 5e+02;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGGCG 21

Db 11593 GCGATCAGGAGGAGTGGCTC 11612

RESULT 43

US-11-112-908-51

; Sequence 51, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 51
; LENGTH: 157224
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-51

Query Match 72.4%; Score 15.2; DB 7; Length 157224;

Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCG 20

Db 13656 AGCGATGAGGAGGAGTGGAG 13675

RESULT 44

US-11-121-086-4/C

; Sequence 4, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138,6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 164810
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-4

Query Match 72.4%; Score 15.2; DB 7; Length 164810;

Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCG 20

Db 68138 AGTGCATCAGGAGGAGGAGCG 68119

RESULT 45

US-11-112-908-28

; Sequence 28, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 166020
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-28

Query Match 72.4%; Score 15.2; DB 7; Length 166020;

Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGATGAGGAGGAGTGGCG 21

Db 143607 GCGATCAGGAGGAGTGGCTC 143626

RESULT 46

US-11-112-908-50

; Sequence 50, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 170189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-50

Query Match 72.4%; Score 15.2; DB 7; Length 170189;

Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGCGATGAGGAGGAGTGGCG 20

Db 46416 AGCGATGAGGAGGAGTGGAG 46435

RESULT 47

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US-11-121-086-41
; Sequence 41, Application US/1121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 41
; LENGTH: 181172
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-41
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Query Match          72.4%; Score 15.2; DB 7; Length 181172;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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RESULT 48

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; Sequence 211, Application US/11117187
; Publication No. US20050266560A1
; GENERAL INFORMATION:
; APPLICANT: PREUSS, DAPHNE
; APPLICANT: COPEHAYVER, GREGORY
; TITLE OF INVENTION: PLANT ARTIFICIAL CHROMOSOME COMPOSITIONS AND METHODS
; FILE REFERENCE: ARCD:3030US
; CURRENT APPLICATION NUMBER: US/11/117,187
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: US/09/531,120
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/125,219
; PRIOR FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 211
; LENGTH: 1082144
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-11-117-187-211
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RESULT 49

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; Sequence 945697, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945697
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-945697
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Best Local Similarity 86.7%; Pred. No. 4.6e+02;
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Db      2 CGAUGAGGAGAGUG 16
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RESULT 50

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; Sequence 945697, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945697
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-945697
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Query Match          71.4%; Score 15; DB 9; Length 19;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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QY      3 CGATGAGGAGAGTGG 17
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Db      2 CGAUGAGGAGAGUG 16
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Search completed: January 12, 2006, 01:34:15
Job time : 324.503 secs

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977	13	24.5	255639	3	US-09-949-016-11789	Sequence 17189, A
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981	13	24.5	455276	3	US-09-949-016-14157	Sequence 14157, A
982	13	24.5	462569	3	US-09-949-016-12500	Sequence 12500, A
983	13	24.5	476044	3	US-09-949-016-12412	Sequence 12412, A
984	13	24.5	481115	3	US-09-949-016-11940	Sequence 11940, A
985	13	24.5	524032	3	US-09-949-016-16928	Sequence 16928, A
986	13	24.5	524032	3	US-09-949-016-16929	Sequence 16929, A
987	13	24.5	524032	3	US-09-949-016-16930	Sequence 16930, A
988	13	24.5	524032	3	US-09-949-016-16931	Sequence 16931, A
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995	13	24.5	529885	3	US-09-949-016-14346	Sequence 14346, A
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ALIGNMENTS

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RESULT 1
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

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Query Match	100.0%	Score 53	DB 3	Length 4403765
Best Local Similarity	100.0%	Pred. No. 5e-17		
Matches	53	Conservative	0	Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.

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/ APPLICANT: WHITE, Owen R.
/ APPLICANT: FRASER, Claire M.
/ APPLICANT: VENTER, John C.
/ TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
/ TITLE OF INVENTION: TUBERCULOSIS
/ FILE REFERENCE: 24366-20007.00
/ CURRENT APPLICATION NUMBER: US/09/103.840A
/ CURRENT FILING DATE: 1998-06-24
/ NUMBER OF SEQ ID NOS: 2
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 1
/ LENGTH: 4411529
/ TYPE: DNA
/ ORGANISM: Mycobacterium tuberculosis
/ OTHER INFORMATION: H37Rv
/ US-09-103-840A-1

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Query Match	75.5%	Score 40;	DB 3;	Length 4411529;
Best Local Similarity	100.0%;	Pred. No. 9.6e-11;		
Matches 40;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY 1 ATGACCTGCGCCGACGACGATGCAGAGCGTTAGCGATGAGG 40

Db 580576 ATGACCTGCGCCGACGACGATGCAGAGCGTTAGCGATGAGG 580615

```

RESULT 3
US-09-103-840A-2/C
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; US-09-103-840A-2

```

	Query Match	Similarity	41.5%; Score 22; DB 3;	Length 4403765;
	Best Local	Similarity	100.0%; Pred. No. 0.049;	
	Matches 22;	Conservative	0;	Mismatches 0; Indels 0;
	Gy	8 GCCTCGACGATGCAGAGC	29	
	Dd	1644491 GCGCCGACGACGATGCAGAGC	1644470	

RESULT 4
US-09-103-840A-1/C
Sequence 1, Application US/09103840A
Patent No. 6293328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00

;; CURRENT APPLICATION NUMBER: US/09/103,840A
;; CURRENT FILING DATE: 1998-06-24
;; NUMBER OF SEQ ID NOS: 2
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 1
;; LENGTH: 4411529
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
;; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 41.5%; Score 22; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 0.049;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCGCGACGACGATGCGAGCG 29

DB 1644357 GCGCGACGACGATGCGAGCG 1644336

RESULT 5

US-08-311-731A-138
; Sequence 138, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-138

Query Match 39.6%; Score 21; DB 3; Length 35961;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GCGCGACGACGATGCGAGCG 29
|||||

DB 10659 GCGCGACGACGATGCGAGCG 10679

RESULT 6

US-08-311-731A-138/c
; Sequence 138, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35961 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-138

Query Match 39.6%; Score 21; DB 3; Length 35961;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGTGGCGC 51
DB 22961 AGCGATGAGGAGTGGCGC 22941

RESULT 7

US-08-311-731A-24/c
; Sequence 24, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE

```
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 38494 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-24
```

```
Query Match          39.6%; Score 21; DB 3; Length 38494;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      31 AGCGATGAGGAGGAGTGGCGC 51
Db      6889 AGCGATGAGGAGGAGTGGCGC 6869
```

```
RESULT 8
US-08-653-648A-10/c
Sequence 10, Application US/08653648A
Patent No. 6379945
GENERAL INFORMATION:
APPLICANT: Jepson, Ian
APPLICANT: Greenland, Andrew
APPLICANT: Martinez, Alberto
TITLE OF INVENTION: A Gene Switch
FILE REFERENCE: PPD50047/US
CURRENT APPLICATION NUMBER: US/08/653,648A
CURRENT FILING DATE: 1996-05-24
PRIOR APPLICATION NUMBER: GB 9510759.5
PRIOR FILING DATE: 1995-05-26
PRIOR APPLICATION NUMBER: GB 9605656.9
PRIOR FILING DATE: 1996-03-18
PRIOR APPLICATION NUMBER: GB 9513882.2
PRIOR FILING DATE: 1995-07-07
PRIOR APPLICATION NUMBER: GB 9517316.7
PRIOR FILING DATE: 1995-08-24
NUMBER OF SEQ ID NOS: 65
SOFTWARE: PatentIn version 3.0
SEQ ID NO 10
LENGTH: 2463
TYPE: DNA
ORGANISM: Heliothis virescens
FEATURE:
NAME/KEY: modified base
LOCATION: (224)..(224)
OTHER INFORMATION: 1
US-08-653-648A-10
```

```
Query Match          37.7%; Score 20; DB 3; Length 2463;
Best Local Similarity 100.0%; Pred. No. 0.83;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCGAGCGT 30
Db      642 CCGACGACGATGCGAGCGT 623
```

```
RESULT 9
US-08-653-648A-3
Sequence 3, Application US/08653648A
Patent No. 6379945
GENERAL INFORMATION:
APPLICANT: Jepson, Ian
APPLICANT: Greenland, Andrew
APPLICANT: Martinez, Alberto
TITLE OF INVENTION: A Gene Switch
FILE REFERENCE: PPD50047/US
CURRENT APPLICATION NUMBER: US/08/653,648A
CURRENT FILING DATE: 1996-05-24
PRIOR APPLICATION NUMBER: GB 9510759.5
PRIOR FILING DATE: 1995-05-26
PRIOR APPLICATION NUMBER: GB 9605656.9
PRIOR FILING DATE: 1996-03-18
PRIOR APPLICATION NUMBER: GB 9513882.2
PRIOR FILING DATE: 1995-07-07
PRIOR APPLICATION NUMBER: GB 9517316.7
PRIOR FILING DATE: 1995-08-24
NUMBER OF SEQ ID NOS: 65
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3
LENGTH: 2464
TYPE: DNA
ORGANISM: Heliothis virescens
FEATURE:
NAME/KEY: Unsure
LOCATION: (2241)..(2241)
OTHER INFORMATION: Unsure
US-08-653-648A-3
```

```
Query Match          37.7%; Score 20; DB 3; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.83;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCGAGCGT 30
Db      1823 CCGACGACGATGCGAGCGT 1842
```

```
RESULT 10
US-09-564-418-3
Sequence 3, Application US/09564418
Patent No. 6610828
GENERAL INFORMATION:
APPLICANT: Syngeanta
APPLICANT: Jepson, Ian
APPLICANT: Martinez, Alberto
APPLICANT: Greenland, Andrew James
TITLE OF INVENTION: A GENE SWITCH
FILE REFERENCE: 1392/4/3
CURRENT APPLICATION NUMBER: US/09/564,418
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/564,418
PRIOR FILING DATE: 2000-05-03
NUMBER OF SEQ ID NOS: 63
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3
LENGTH: 2464
TYPE: DNA
ORGANISM: Heliothis virescens
FEATURE:
```



```
; NAME/KEY: misc
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
US-09-564-418-3
```

```
Query Match          37.7%; Score 20; DB 3; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.83;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCAGAGCGT 30
Db      1823 CCGACGACGATGCAGAGCGT 1842
```

```
RESULT 11
US-09-564-418-62/c
; Sequence 62, Application US/09564418
; Patent No. 6610828
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3
; CURRENT APPLICATION NUMBER: US/09/564,418
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 09/564,418
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 62
; LENGTH: 2464
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (224)..(224)
; OTHER INFORMATION: n = a, c, g, or t, or i
US-09-564-418-62
```

```
Query Match          37.7%; Score 20; DB 3; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.83;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCAGAGCGT 30
Db      642 CCGACGACGATGCAGAGCGT 623
```

```
RESULT 12
US-08-653-648A-4
; Sequence 4, Application US/08653648A
; Patent No. 6379945
; GENERAL INFORMATION:
; APPLICANT: Jepsen, Ian
; APPLICANT: Greenland, Andrew
; APPLICANT: Martinez, Alberto
; TITLE OF INVENTION: A Gene Switch
; FILE REFERENCE: PPD50047/US
; CURRENT APPLICATION NUMBER: US/08/653,648A
; PRIOR FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: GB 9510759.5
; PRIOR FILING DATE: 1995-05-26
; PRIOR APPLICATION NUMBER: GB 9605656.9
; PRIOR FILING DATE: 1996-03-18
; PRIOR APPLICATION NUMBER: GB 9513882.2
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: GB 9517316.7
; PRIOR FILING DATE: 1995-08-24
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
```

```
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: (2522)..(2522)
; OTHER INFORMATION: Unsure
US-08-653-648A-4
```

```
Query Match          37.7%; Score 20; DB 3; Length 2745;
Best Local Similarity 100.0%; Pred. No. 0.82;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCAGAGCGT 30
Db      2104 CCGACGACGATGCAGAGCGT 2123
```

```
RESULT 13
US-09-564-418-4
; Sequence 4, Application US/09564418
; Patent No. 6610828
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3
; CURRENT APPLICATION NUMBER: US/09/564,418
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 09/564,418
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc
; LOCATION: (2522)..(2522)
; OTHER INFORMATION: n=a, c, g, or t
US-09-564-418-4
```

```
Query Match          37.7%; Score 20; DB 3; Length 2745;
Best Local Similarity 100.0%; Pred. No. 0.82;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 CCGACGACGATGCAGAGCGT 30
Db      2104 CCGACGACGATGCAGAGCGT 2123
```

```
RESULT 14
US-09-533-559-2252/c
; Sequence 2252, Application US/09533559
; Patent No. 6902887
; GENERAL INFORMATION:
; APPLICANT: Randy M. Berka
; APPLICANT: Michael W. Rey
; APPLICANT: Jeffrey R. Shuster
; APPLICANT: Sakari Kauppinen
; APPLICANT: Ib Groth Clausen
; APPLICANT: Peter Bjørke Olsen
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 5849.200-US
; CURRENT APPLICATION NUMBER: US/09/533,559
; PRIOR FILING DATE: 2000-03-22
; EARLIER APPLICATION NUMBER: 09/273,623
; PRIOR FILING DATE: 1999-03-22
; NUMBER OF SEQ ID NOS: 7860
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2252
; LENGTH: 461
; TYPE: DNA
; ORGANISM: Fusarium venenatum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(461)
; OTHER INFORMATION: n = A,T,C or G
US-09-533-559-2252

Query Match          35.8%; Score 19; DB 3; Length 461;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      25 GAGCGTAGCGATGAGAGG 43
      |||
      77 GAGCGTAGCGATGAGAGG 59

RESULT 15
US-08-311-731A-121/c
; Sequence 121, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33312 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-121

Query Match          34.0%; Score 18; DB 3; Length 33312;
Best Local Similarity 100.0%; Pred. No. 6.3;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 GCGCGAGCGAGCGATGCG 25
      |||
      |||
```

```
Db      8637 GCGCGAGCGAGCGATGCG 8620

RESULT 16
US-08-311-731A-134/c
; Sequence 134, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 134:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36241 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-134

Query Match          34.0%; Score 18; DB 3; Length 36241;
Best Local Similarity 100.0%; Pred. No. 6.2;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      15 CGACGATGCGAGCGGTG 32
      |||
      |||
      Db      17366 CGACGATGCGAGCGGTG 17349

RESULT 17
US-09-016-434-893
; Sequence 893, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
```

```

; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERKWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 893:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAT03
; CLONE: 696484
;
US-09-016-434-893
;
Query Match 32.1%; Score 17; DB 3; Length 280;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
QY 31 AGCGATGAGGAGGAGTG 47
Db 154 AGCGATGAGGAGGAGTG 170
;
RESULT 18
US-09-148-545-24
; Sequence 24, Application US/09148545
; Patent No. 6590075
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OR INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/148,545
; EARLIER FILING DATE: 1998-09-04
; EARLIER APPLICATION NUMBER: PCT/US98/04482
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,161
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
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; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
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; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/056,886
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047, 595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/057, 761
EARLIER FILING DATE: 05-Sep-1997
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 588
EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047, 586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047, 501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056, 632
EARLIER FILING DATE: 1997-08-22

EARLIER APPLICATION NUMBER: 60/056, 664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048, 964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057, 650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056, 884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGAGTG 47
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Db 246 AGCGATGAGGAGAGTG 262

RESULT 19
US-09-621-011-24
Sequence 24, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/621, 011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-011-24

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGAGTG 47
|||||
Db 246 AGCGATGAGGAGAGTG 262

RESULT 20
US-09-148-545-89
Sequence 89, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148, 545

1	CURRENT	FILING DATE	1998-09-04
2	EARLIER	APPLICATION NUMBER	PCT/US98/04482
3	EARLIER	FILING DATE	1998-03-06
4	EARLIER	APPLICATION NUMBER	60/040,162
5	EARLIER	FILING DATE	1997-03-07
6	EARLIER	APPLICATION NUMBER	60/040,333
7	EARLIER	FILING DATE	1997-03-07
8	EARLIER	APPLICATION NUMBER	60/038,621
9	EARLIER	FILING DATE	1997-03-07
10	EARLIER	APPLICATION NUMBER	60/040,161
11	EARLIER	FILING DATE	1997-03-07
12	EARLIER	APPLICATION NUMBER	60/040,626
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14	EARLIER	APPLICATION NUMBER	60/040,334
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16	EARLIER	APPLICATION NUMBER	60/040,336
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18	EARLIER	APPLICATION NUMBER	60/040,163
19	EARLIER	FILING DATE	1997-03-07
20	EARLIER	APPLICATION NUMBER	60/047,615
21	EARLIER	FILING DATE	1997-05-23
22	EARLIER	APPLICATION NUMBER	60/047,600
23	EARLIER	FILING DATE	1997-05-23
24	EARLIER	APPLICATION NUMBER	60/047,597
25	EARLIER	FILING DATE	1997-05-23
26	EARLIER	APPLICATION NUMBER	60/047,502
27	EARLIER	FILING DATE	1997-05-23
28	EARLIER	APPLICATION NUMBER	60/047,633
29	EARLIER	FILING DATE	1997-05-23
30	EARLIER	APPLICATION NUMBER	60/047,583
31	EARLIER	FILING DATE	1997-05-23
32	EARLIER	APPLICATION NUMBER	60/047,617
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34	EARLIER	APPLICATION NUMBER	60/047,618
35	EARLIER	FILING DATE	1997-05-23
36	EARLIER	APPLICATION NUMBER	60/047,503
37	EARLIER	FILING DATE	1997-05-23
38	EARLIER	APPLICATION NUMBER	60/047,592
39	EARLIER	FILING DATE	1997-05-23
40	EARLIER	APPLICATION NUMBER	60/047,581
41	EARLIER	FILING DATE	1997-05-23
42	EARLIER	APPLICATION NUMBER	60/047,584
43	EARLIER	FILING DATE	1997-05-23
44	EARLIER	APPLICATION NUMBER	60/047,500
45	EARLIER	FILING DATE	1997-05-23
46	EARLIER	APPLICATION NUMBER	60/047,587
47	EARLIER	FILING DATE	1997-05-23
48	EARLIER	APPLICATION NUMBER	60/047,492
49	EARLIER	FILING DATE	1997-05-23
50	EARLIER	APPLICATION NUMBER	60/047,598
51	EARLIER	FILING DATE	1997-05-23
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54	EARLIER	APPLICATION NUMBER	60/047,582
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56	EARLIER	APPLICATION NUMBER	60/047,596
57	EARLIER	FILING DATE	1997-05-23
58	EARLIER	APPLICATION NUMBER	60/047,612
59	EARLIER	FILING DATE	1997-05-23
60	EARLIER	APPLICATION NUMBER	60/047,632
61	EARLIER	FILING DATE	1997-05-23
62	EARLIER	APPLICATION NUMBER	60/047,601
63	EARLIER	FILING DATE	1997-05-23
64	EARLIER	APPLICATION NUMBER	60/043,580
65	EARLIER	FILING DATE	1997-04-11
66	EARLIER	APPLICATION NUMBER	60/043,568
67	EARLIER	FILING DATE	1997-04-11
68	EARLIER	APPLICATION NUMBER	60/043,314
69	EARLIER	FILING DATE	1997-04-11
70	EARLIER	APPLICATION NUMBER	60/043,569
71	EARLIER	FILING DATE	1997-04-11
72	EARLIER	APPLICATION NUMBER	60/043,311
73	EARLIER	FILING DATE	1997-04-11
74	EARLIER	APPLICATION NUMBER	60/043,671
75	EARLIER	FILING DATE	1997-04-11
76	EARLIER	APPLICATION NUMBER	60/043,674
77	EARLIER	FILING DATE	1997-04-11
78	EARLIER	APPLICATION NUMBER	60/043,669
79	EARLIER	FILING DATE	1997-04-11
80	EARLIER	APPLICATION NUMBER	60/043,312
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83	EARLIER	FILING DATE	1997-04-11
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87	EARLIER	FILING DATE	1997-04-11
88	EARLIER	APPLICATION NUMBER	60/048,974
89	EARLIER	FILING DATE	1997-06-06
90	EARLIER	APPLICATION NUMBER	60/056,886
91	EARLIER	FILING DATE	1997-08-22
92	EARLIER	APPLICATION NUMBER	60/056,877
93	EARLIER	FILING DATE	1997-08-22
94	EARLIER	APPLICATION NUMBER	60/056,889
95	EARLIER	FILING DATE	1997-08-22
96	EARLIER	APPLICATION NUMBER	60/056,893
97	EARLIER	FILING DATE	1997-08-22
98	EARLIER	APPLICATION NUMBER	60/056,630
99	EARLIER	FILING DATE	1997-08-22
100	EARLIER	APPLICATION NUMBER	60/056,878

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; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855

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Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31 AGCGATGAGGAGGAGTG 47
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Db      124 AGCGATGAGGAGGAGTG 140

RESULT 21
US-09-621-011-89
; Sequence 89, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621,011
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855
; TYPE: DNA
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; ORGANISM: Homo sapiens
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; LOCATION: (103)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (767)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (831)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-621-011-89

Query Match      32.1%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31 AGCGATGAGGAGGAGTG 47
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Db      124 AGCGATGAGGAGGAGTG 140

RESULT 22
US-09-907-794A-126
; Sequence 126, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Bilen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
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; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-794A-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 23
US-09-905-125A-126
; Sequence 126, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
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; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-905-125A-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 24
US-09-902-775A-126
; Sequence 126, Application US/09902775A
; Patent No. 666451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
```

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; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-902-775A-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 25
US-09-906-700-126
; Sequence 126, Application US/09906700
; Patent No. 6723535
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
```

```

; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,700
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-906-700-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 26
US-09-903-603A-126
; Sequence 126, Application US/09903603A
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Patent No. 6767995
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Batton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: GNE.1618P2C12
CURRENT APPLICATION NUMBER: US/09/903,603A
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/223089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-903-603A-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 31 AGCGATGAGAGAGATG 47
DB 282 AGCGATGAGAGAGATG 298
US-09-904-920A-126
Sequence 126, Application US/09904920A
Patent No. 6806352
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Batton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/223089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911

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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-904-920A-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31  AGCGATGAGGAGGAGTG 47
Db      282  AGCGATGAGGAGGAGTG 298

RESULT 28
US-09-909-064-126
; Sequence 126, Application US/09909064
; Patent No. 6818449
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,064
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
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; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-064-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      31  AGCGATGAGGAGGAGTG 47
Db      282  AGCGATGAGGAGGAGTG 298

RESULT 29
US-09-905-381A-126
; Sequence 126, Application US/09905381A
; Patent No. 6818746
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,381A
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/23089
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; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-381A-126
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Query Match      32.1%  Score 17;  DB 3;  Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
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RESULT 30
US-09-906-618-126
; Sequence 126, Application US/09906618
; Patent No. 6828146
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavrin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
```

```
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,618
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-618-126
```

```
Query Match      32.1%  Score 17;  DB 3;  Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
```

```
RESULT 31
US-09-906-646-126
; Sequence 126, Application US/09906646
; Patent No. 6852848
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
```

```

; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,646
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-646-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy      31 AGCGATGAGAGAGTG 47
Db      282 AGCGATGAGAGAGTG 298

RESULT 32
US-09-904-462-126
; Sequence 126; Application US/09904462
; Patent No. 6878807
```

```

; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,462
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-462-126
```

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGATG 47
|||||
Db 282 AGCGATGAGGAGGATG 298

RESULT 33
US-09-902-736A-126
; Sequence 126, Application US/09902736A
; Patent No. 6894148
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,736A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-736A-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGATG 47
|||||
Db 282 AGCGATGAGGAGGATG 298

RESULT 34
US-09-906-722A-126
; Sequence 126, Application US/09906722A
; Patent No. 6946262
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE.1618P2C61
; CURRENT APPLICATION NUMBER: US/09/906,722A
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-722A-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGAGTG 47
Db 282 AGCGATGAGAGAGTG 298

RESULT 35
US-08-311-731A-137/C
Sequence 137, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSER: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 137:
SEQUENCE CHARACTERISTICS:
LENGTH: 40123 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 32.1%; Score 17; DB 3; Length 40123;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCGCCGACGACGATGCA 24
Db 14283 GCGCCGACGACGATGCA 14267

RESULT 36
US-09-513-999C-1746
Sequence 1746, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
PATENT NO. 6783961
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 1746
LENGTH: 388
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 78..386
FEATURE:
NAME/KEY: misc_feature
LOCATION: 343
OTHER INFORMATION: n=a, g, c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 344..feature
OTHER INFORMATION: n=a, g, c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 359
OTHER INFORMATION: s=g or c
FEATURE:
NAME/KEY: UNSURE
LOCATION: 89
OTHER INFORMATION: Xaa=His or Leu or Pro or Gln or Arg
FEATURE:
NAME/KEY: UNSURE
LOCATION: 94
OTHER INFORMATION: Xaa=Asp or Glu
US-09-513-999C-1746

Query Match 30.2%; Score 16; DB 3; Length 388;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 TAGCGATGAGAGAG 45
Db 221 TAGCGATGAGAGAG 236

RESULT 37

```
US-09-949-016-47551/c
; Sequence 47551, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 47551
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-47551
```

```
Query Match          30.2%; Score 16; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          34 GATGAGGAGGAGTGC 49
Db          544 GATGAGGAGGAGTGC 529
```

```
RESULT 38
US-09-311-021-77
; Sequence 77, Application US/09311021
; Patent No. 6706869
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYPEPTIDES ENCODING THEM
; FILE REFERENCE: GI 6300-11A
; CURRENT APPLICATION NUMBER: US/09/311,021
; CURRENT FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 77
; LENGTH: 1238
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-311-021-77
```

```
Query Match          30.2%; Score 16; DB 3; Length 1238;
Best Local Similarity 100.0%; Pred. No. 76;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          30 TAGCGATGAGGAGG 45
Db          185 TAGCGATGAGGAGG 200
```

```
RESULT 39
US-09-949-016-5746
; Sequence 5746, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
```

```
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 5746
; LENGTH: 3366
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5746
```

```
Query Match          30.2%; Score 16; DB 3; Length 3366;
Best Local Similarity 100.0%; Pred. No. 70;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          30 TAGCGATGAGGAGG 45
Db          265 TAGCGATGAGGAGG 280
```

```
RESULT 40
US-09-949-016-17488
; Sequence 17488, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 17488
; LENGTH: 8542
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(8542)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17488
```

```
Query Match          30.2%; Score 16; DB 3; Length 8542;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          30 TAGCGATGAGGAGG 45
Db          3050 TAGCGATGAGGAGG 3065
```

```
RESULT 41
US-09-949-016-13139
; Sequence 13139, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
```

```
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13139
; LENGTH: 95648
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(95648)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13139
```

```
Query Match          30.2%; Score 16; DB 3; Length 95648;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      34 GATGAGGAGGTGGCGC 49
      |||||
Db      16371 GATGAGGAGGTGGCGC 16386
```

```
RESULT 42
US-09-949-016-12505
; Sequence 12505, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12505
; LENGTH: 670689
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(670689)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12505
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Query Match          30.2%; Score 16; DB 3; Length 670689;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      37 GAGGAGGAGTGGCGCT 52
      |||||
Db      167366 GAGGAGGAGTGGCGCT 167381
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RESULT 43
US-09-949-016-14207
; Sequence 14207, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
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; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14207
; LENGTH: 670690
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(670690)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14207
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Query Match          30.2%; Score 16; DB 3; Length 670690;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      37 GAGGAGGAGTGGCGCT 52
      |||||
Db      167366 GAGGAGGAGTGGCGCT 167381
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RESULT 44
US-08-917-299-2/c
; Sequence 2, Application US/08917299
; Patent No. 6010855
; GENERAL INFORMATION:
; APPLICANT: JACKSON, Mary
; TITLE OF INVENTION: G10QL, Brigitte
; TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: c/o Finnegan Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/917,299
; FILING DATE: 25-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/022,713
; FILING DATE: 26-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MEYERS, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0156-00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
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TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "NUCLEIC ACID"
US-08-917-299-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATGCAGAGCG 29
DB 33 CGACGATGCAGAGCG 19

RESULT 45

US-09-422-662-2/c
Sequence 2, Application US/09422662
Patent No. 6204038

GENERAL INFORMATION:

APPLICANT: JACKSON, Mary

GIOQUEL, Brigitte

TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM
TUBERCULOSIS

NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:

ADDRESSEE: c/o Pimnegan Henderson, Farrahbow, Garrett &

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/422,662

FILING DATE: 22-Oct-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/917,299

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MEYERS, Kenneth J.

REGISTRATION NUMBER: 25,146

REFERENCE/DOCKET NUMBER: 03495.0156-00

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 408-4000

TELEFAX: (202) 408-4400

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 33 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: not relevant

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "NUCLEIC ACID"

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-422-662-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATGCAGAGCG 29
DB 33 CGACGATGCAGAGCG 19

RESULT 46

US-09-730-763-2/c

Sequence 2, Application US/09730763

Patent No. 6551808

GENERAL INFORMATION:

APPLICANT: JACKSON, Mary

GIOQUEL, Brigitte

TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM

TUBERCULOSIS

NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:

ADDRESSEE: c/o Pimnegan Henderson, Farrahbow, Garrett &

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/730,763

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/917,299

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MEYERS, Kenneth J.

REGISTRATION NUMBER: 25,146

REFERENCE/DOCKET NUMBER: 03495.0156-00

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 408-4000

TELEFAX: (202) 408-4400

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 33 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: not relevant

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "NUCLEIC ACID"

US-09-730-763-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATGCAGAGCG 29
DB 33 CGACGATGCAGAGCG 19

RESULT 47

US-09-429-370-2/c

Sequence 2, Application US/09429370

Patent No. 6573064

GENERAL INFORMATION:

APPLICANT: JACKSON, Mary

GIOQUEL, Brigitte

TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCOBACTERIAL MOLECULES

FILE REFERENCE: 03495.0182-00000

CURRENT APPLICATION NUMBER: US/09/429,370

CURRENT FILING DATE: 1999-10-28

NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2

LENGTH: 33

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: primer

US-09-429-370-2

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATCGACGCG 29
DB 33 CGACGATCGACGCG 19

RESULT 48

US-09-230-485-4/C
; Sequence 4, Application US/09230485
; Patent No. 6582925
; GENERAL INFORMATION:
; APPLICANT: JACKSON, MARY
; APPLICANT: GICQUEL, BRIGITTE
; TITLE OF INVENTION: DESATURASE ANTIGEN OF MYCOBACTERIUM TUBERCULOSIS
; FILE REFERENCE: 05394.0009-00000
; CURRENT APPLICATION NUMBER: US/09/230,485
; CURRENT FILING DATE: 1999-04-20
; PRIOR APPLICATION NUMBER: PCT/IB97/00923
; PRIOR FILING DATE: 1997-07-25
; PRIOR APPLICATION NUMBER: 60/022,713
; PRIOR FILING DATE: 1996-07-26
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 33
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide
US-09-230-485-4

Query Match 28.3%; Score 15; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CGACGATCGACGCG 29
DB 33 CGACGATCGACGCG 19

RESULT 49

US-08-162-836-1
; Sequence 1, Application US/08162836
; Patent No. 5554516
; GENERAL INFORMATION:
; APPLICANT: Daniel L. Kacian
; APPLICANT: Diane L. McAllister
; APPLICANT: Sherrol H. McDonough
; APPLICANT: Nani Bhushan Datta Gupta
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCE AMPLIFICATION
; TITLE OF INVENTION: METHOD, COMPOSITION AND KIT
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: Wordperfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,836
; FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/879,686
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-162-836-1

Query Match 28.3%; Score 15; DB 2; Length 53;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 AGAGCGTAGCGATCA 38
DB 25 AGAGCGTAGCGATCA 39

RESULT 50

US-08-779-341-1
; Sequence 1, Application US/08779341
; Patent No. 5766890
; GENERAL INFORMATION:
; APPLICANT: Daniel Louis Kacian
; APPLICANT: Diane Lisa McAllister
; TITLE OF INVENTION: Method For Suppressing Inhibition
; TITLE OF INVENTION: Of Enzyme-Mediated Reactions by
; TITLE OF INVENTION: Ionic Detergents
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gen-Probe Incorporated
; STREET: 9880 Campus Point Drive
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: COMPAQ Prolinea 4/33
; OPERATING SYSTEM: Microsoft MS-DOS (Version 6.0)
; SOFTWARE: Wordperfect (Version 5.2)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,341
; FILING DATE: 06-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/433,991
; FILING DATE: 04-MAY-1995
; APPLICATION NUMBER: US/08/212,131
; FILING DATE: 10-MAR-1994
; APPLICATION NUMBER: 07/879,685
; FILING DATE: May 6, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Fieber, Carlos A.
; REGISTRATION NUMBER: 36,310
; REFERENCE/DOCKET NUMBER: GP94/002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-2807
; TELEFAX: (619) 452-5848
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-779-341-1

Query Match 28.3%; Score 15; DB 2; Length 53;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 24 AGAGCGTAGCGATGA 38
Db 25 AGAGCGTAGCGATGA 39

Search completed: January 12, 2006, 01:37:19
Job time : 210 secs

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223	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
224	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
225	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
226	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
227	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
228	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
229	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
230	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
231	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
232	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
233	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
234	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
235	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
236	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
237	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
238	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
239	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
240	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
241	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App
242	17	32.1	1210	5	US-10-147-492-311	Sequence 311, App


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C 973 14 26.4 405 7 US-10-767-701-17475 Sequence 17475, A
C 974 14 26.4 408 3 US-09-938-842A-478 Sequence 478, App
C 975 14 26.4 408 3 US-09-938-842A-478 Sequence 478, App
C 976 14 26.4 409 3 US-09-983-965-820 Sequence 820, App
C 977 14 26.4 409 8 US-10-425-115-72804 Sequence 72804, A
C 978 14 26.4 414 3 US-09-983-965-890 Sequence 890, App
C 979 14 26.4 414 3 US-09-983-965-1073 Sequence 1073, App
C 980 14 26.4 420 3 US-09-938-842A-30 Sequence 30, App1
C 981 14 26.4 420 3 US-09-938-842A-30 Sequence 30, App1
C 982 14 26.4 420 7 US-10-437-963-35800 Sequence 35800, A
C 983 14 26.4 423 7 US-10-424-599-142179 Sequence 142179, A
C 984 14 26.4 428 9 US-10-487-801-896 Sequence 896, App
C 985 14 26.4 428 9 US-10-487-801-3248 Sequence 3248, App
C 986 14 26.4 428 9 US-10-487-901-6896 Sequence 6896, App
C 987 14 26.4 437 7 US-10-437-963-10171 Sequence 10171, A
C 988 14 26.4 439 7 US-10-437-963-97038 Sequence 97038, A
C 989 14 26.4 441 7 US-10-437-963-34749 Sequence 34749, A
C 990 14 26.4 441 8 US-10-425-115-17284 Sequence 17284, A
C 991 14 26.4 441 8 US-10-425-115-90675 Sequence 90675, A
C 992 14 26.4 445 7 US-10-437-963-41735 Sequence 41735, A
C 993 14 26.4 445 7 US-10-425-115-34096 Sequence 34096, A
C 994 14 26.4 453 6 US-10-156-761-5801 Sequence 5801, App
C 995 14 26.4 453 7 US-10-437-963-75877 Sequence 75877, A
C 996 14 26.4 454 7 US-10-437-963-94269 Sequence 94269, A
C 997 14 26.4 465 7 US-10-767-701-20748 Sequence 20748, A
C 998 14 26.4 466 7 US-10-767-701-29497 Sequence 29497, A
C 999 14 26.4 469 3 US-09-918-995-30706 Sequence 30706, A
1000 14 26.4 469 8 US-10-425-115-168209 Sequence 168209, A
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ALIGNMENTS

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RESULT 1
US-10-086-206-2
; Sequence 2, Application US/10086206
; Publication No. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-2

Query Match 100.0%; Score 53; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 7.6e-18;
Matches 53; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ATGACCTGCCCGCAGCAGATGCGATGCGATGCGAGTGGCGCTG 53
Db 1 ATGACCTGCCCGCAGCAGATGCGAGTGCATGCGAGTGGCGCTG 53

RESULT 2
US-10-086-206-1
; Sequence 1, Application US/10086206
; Publication No. US20030124546A1
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```
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 77
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-1

Query Match 75.5%; Score 40; DB 6; Length 77;
Best Local Similarity 100.0%; Pred. No. 4.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 3
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSIS
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
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Query Match 75.5%; Score 40; DB 6; Length 86114;
Best Local Similarity 100.0%; Pred. No. 1.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ATGACCTGCCCGCAGCAGATGCGATGCGATGCGAGTGGAGG 40
Db 67175 ATGACCTGCCCGCAGCAGATGCGAGTGCATGCGATGAGG 67214

RESULT 4
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSIS
; FILE REFERENCE: 03495.0218
```

```
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
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```
Query Match          75.5%; Score 40; DB 7; Length 86114;
Best Local Similarity 100.0%; Pred. No. 1.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 40
Db      67175 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 67214
```

```
RESULT 5
US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: Patentin Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648
```

```
Query Match          75.5%; Score 40; DB 8; Length 86114;
Best Local Similarity 100.0%; Pred. No. 1.3e-11;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      1 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 40
Db      67175 ATGACCTGGCGCCGACGATGCGAGCGGTAGCGATGAGG 67214
```

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RESULT 6
US-10-606-060A-3
; Sequence 3, Application US/10606060A
; Publication No. US20040058369A1
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3/2
; CURRENT APPLICATION NUMBER: US/10/606,060A
; CURRENT FILING DATE: 2003-06-25
; PRIOR APPLICATION NUMBER: US 08/653,648
; PRIOR FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: US 09/564,418
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: Patentin version 3.2
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; SEQ ID NO 3
; LENGTH: 2464
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
US-10-606-060A-3
```

```
Query Match          37.7%; Score 20; DB 7; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.64;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      11 CCGAGCAGCATGCGAGCGGT 30
Db      1823 CCGAGCAGCATGCGAGCGGT 1842
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RESULT 7
US-10-606-060A-4
; Sequence 4, Application US/10606060A
; Publication No. US20040058369A1
; GENERAL INFORMATION:
; APPLICANT: Syngenta
; APPLICANT: Jepsen, Ian
; APPLICANT: Martinez, Alberto
; APPLICANT: Greenland, Andrew James
; TITLE OF INVENTION: A GENE SWITCH
; FILE REFERENCE: 1392/4/3/2
; CURRENT APPLICATION NUMBER: US/10/606,060A
; CURRENT FILING DATE: 2003-06-25
; PRIOR APPLICATION NUMBER: US 08/653,648
; PRIOR FILING DATE: 1996-05-24
; PRIOR APPLICATION NUMBER: US 09/564,418
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 2464
; TYPE: DNA
; ORGANISM: Heliothis virescens
; FEATURE:
; NAME/KEY: misc
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n=a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2241)..(2241)
; OTHER INFORMATION: n is a, c, g, or t
US-10-606-060A-4
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Query Match          37.7%; Score 20; DB 7; Length 2464;
Best Local Similarity 100.0%; Pred. No. 0.64;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      11 CCGAGCAGCATGCGAGCGGT 30
Db      1823 CCGAGCAGCATGCGAGCGGT 1842
```

```
RESULT 8
US-10-437-963-100131
; Sequence 100131, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
```

```

; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 100131
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_97878C.1
US-10-437-963-100131
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```

Query Match          35.8%; Score 19; DB 7; Length 399;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      33 CGATGAGGAGAGTGGCGC 51
Db      174 CGATGAGGAGAGTGGCGC 192
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```

RESULT 9
US-10-653-047-2252/C
; Sequence 2252, Application US/10653047
; Publication No. US20040229367A1
; GENERAL INFORMATION:
; APPLICANT: Randy M. Berka
; APPLICANT: Michael W. Rey
; APPLICANT: Jeffrey R. Shuster
; APPLICANT: Sakari Kauppinen
; APPLICANT: Id Groth Clausen
; APPLICANT: Peter Bjørke Olsen
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 5849 200-US
; CURRENT APPLICATION NUMBER: US/10/653,047
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US/09/533,559
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/273,623
; PRIOR FILING DATE: 1999-03-22
; NUMBER OF SEQ ID NOS: 7860
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2252
; LENGTH: 461
; TYPE: DNA
; ORGANISM: Fusarium venenatum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(461)
; OTHER INFORMATION: n = A,T,C or G
US-10-653-047-2252
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Query Match          35.8%; Score 19; DB 8; Length 461;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      25 GAGCGTAGCGATGAGGAG 43
Db      77 GAGCGTAGCGATGAGGAG 59
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RESULT 10
US-10-437-963-26020
; Sequence 26020, Application US/10437963
; Publication No. US20040123343A1
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```

; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 26020
; LENGTH: 2187
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_30850C.1
US-10-437-963-26020
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Query Match          35.8%; Score 19; DB 7; Length 2187;
Best Local Similarity 100.0%; Pred. No. 2.2;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      10 GCCGACGACGATGCAGAGC 28
Db      637 GCCGACGACGATGCAGAGC 655
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RESULT 11
US-10-282-122A-26164
; Sequence 26164, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 26164
LENGTH: 1287
TYPE: DNA
ORGANISM: Mycobacterium bovis
US-10-282-122A-26164

Query Match 34.0%; Score 18; DB 7; Length 1287;
Best Local Similarity 100.0%; Pred. No. 7.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GCGCGAGCAGCATGCAG 25
DB 8 GCGCGAGCAGCATGCAG 25

RESULT 12
US-10-282-122A-28483
Sequence 28483, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELIPIRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 28483
LENGTH: 1290
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28483

Query Match 34.0%; Score 18; DB 7; Length 1290;
Best Local Similarity 100.0%; Pred. No. 7.9;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 8 GCGCGAGCAGCATGCAG 25

DB 8 GCGCGAGCAGCATGCAG 25

RESULT 13
US-10-297-465A-1/c
Sequence 1, Application US/10297465A
Publication No. US20040142413A1
GENERAL INFORMATION:
APPLICANT: Simpson, Andrew
APPLICANT: Reinach, Fernando
APPLICANT: Setubal, Joao
APPLICANT: Mediana, Joao
APPLICANT: Arruda, Paulo
TITLE OF INVENTION: Isolated genome of Xylella fastidiosa and Uses Thereof
FILE REFERENCE: PABESP 202 US (10213376)
CURRENT APPLICATION NUMBER: US/10/297,465A
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: PCT/IB01/01618
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 60/209,906
PRIOR FILING DATE: 2001-06-17
NUMBER OF SEQ ID NOS: 1
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1
LENGTH: 2731748
TYPE: DNA
ORGANISM: Xylella fastidiosa
US-10-297-465A-1

Query Match 34.0%; Score 18; DB 7; Length 2731748;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 GAGCGTAGCATGCAGAG 42
DB 2263111 GAGCGTAGCATGCAGAG 2263094

RESULT 14
US-10-437-963-51997/c
Sequence 51997, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovallig, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 51997
LENGTH: 268
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(268)
OTHER INFORMATION: unsure at all n locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_54336C.1
US-10-437-963-51997

Query Match 32.1%; Score 17; DB 7; Length 268;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GCCGACGACGATGCAGA 26
Db 140 GCCGACGACGATGCAGA 124

RESULT 15

US-11-065-977A-24/C
; Sequence 24, Application US/11065977A
; Publication No. US20050204430A1
; GENERAL INFORMATION:
; APPLICANT: BLUMFELD, Eduardo
; APPLICANT: APSE, Maris
; APPLICANT: SNEDDEN, Wayne
; APPLICANT: AHARON, Gilad
; TITLE OF INVENTION: GENETIC ENGINEERING SALT TOLERANCE IN
; FILE REFERENCE: 529642000210
; CURRENT APPLICATION NUMBER: US/11/065,977A
; CURRENT FILING DATE: 2005-02-24
; PRIOR APPLICATION NUMBER: US 60/078,474
; PRIOR FILING DATE: 1998-03-18
; PRIOR APPLICATION NUMBER: US 60/116,111
; PRIOR FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 268
; TYPE: DNA
; ORGANISM: Oryza sativa
; NAME/KEY: misc feature
; LOCATION: 69, 217, 223, 249
; OTHER INFORMATION: n = A,T,C or G
US-11-065-977A-24

Query Match 32.1%; Score 17; DB 10; Length 268;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GCCGACGACGATGCAGA 26
Db 140 GCCGACGACGATGCAGA 124

RESULT 16

US-10-305-720-893
; Sequence 893, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Sellhammer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 893
; LENGTH: 280
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 696484
; NAME/KEY: unsure
; LOCATION: (1) ... (280)
; OTHER INFORMATION: a, t, c, g, or other
US-10-305-720-893

Query Match 32.1%; Score 17; DB 6; Length 280;

Best Local Similarity 100.0%; Pred. No. 34;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 31 AGCGATGAGGAGGAGTG 47
Db 154 AGCGATGAGGAGGAGTG 170

RESULT 17

US-10-779-543-3332
; Sequence 3332, Application US/10779543
; Publication No. US20050227917A1
; GENERAL INFORMATION:
; APPLICANT: Williams et al
; TITLE OF INVENTION: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
; FILE REFERENCE: 2300-21302
; CURRENT APPLICATION NUMBER: US/10/779,543
; CURRENT FILING DATE: 2004-02-12
; PRIOR APPLICATION NUMBER: 10/076,555
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 09/217,471
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/068,755
; PRIOR FILING DATE: 1997-12-23
; PRIOR APPLICATION NUMBER: 60/080,664
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: 60/105,234
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 09/297,648
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: PCT/US99/01619
; PRIOR FILING DATE: 1999-01-28
; PRIOR APPLICATION NUMBER: 60/072,910
; PRIOR FILING DATE: 1998-01-28
; PRIOR APPLICATION NUMBER: 60/075,954
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/080,114
; PRIOR FILING DATE: 1998-03-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 23767
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3332
; LENGTH: 300
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-779-543-3332

Query Match 32.1%; Score 17; DB 9; Length 300;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 31 AGCGATGAGGAGGAGTG 47
Db 257 AGCGATGAGGAGGAGTG 273

RESULT 18

US-10-425-115-111421/C
; Sequence 111421, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 111421

/ LENGTH: 391
/ TYPE: DNA
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: MRT4577_33105C.1
US-10-425-115-111421

Query Match 32.1%; Score 17; DB 8; Length 391;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 GACGACGATGCAGCG 29
Db 269 GACGACGATGCAGCG 253

RESULT 19
US-10-437-963-49435
/ Sequence 49435, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Barbazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437, 963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 49435
/ LENGTH: 414
/ TYPE: DNA
/ ORGANISM: Oryza sativa
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_52017C.1
US-10-437-963-49435

Query Match 32.1%; Score 17; DB 7; Length 414;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 34 GATGAGGAGGTGCG 50
Db 340 GATGAGGAGGTGCG 356

RESULT 20
US-10-767-701-12378
/ Sequence 12378, Application US/10767701
/ Publication No. US20040172684A1
/ GENERAL INFORMATION:
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53535)B
/ CURRENT APPLICATION NUMBER: US/10/767, 701
/ CURRENT FILING DATE: 2004-01-29
/ NUMBER OF SEQ ID NOS: 63128
/ SEQ ID NO 12378
/ LENGTH: 558
/ TYPE: DNA
/ ORGANISM: Sorghum bicolor
/ FEATURE:
/ OTHER INFORMATION: Clone ID: LIBS047-010-R1-XPI-A6
US-10-767-701-12378

Query Match 32.1%; Score 17; DB 7; Length 558;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 CGACGATGCAGAC 28
Db 79 CGACGATGCAGAC 95

RESULT 21
US-10-425-114-1785/c
/ Sequence 1785, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jindong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425, 114
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 1785
/ LENGTH: 660
/ TYPE: DNA
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: 700167130_FLI
US-10-425-114-1785

Query Match 32.1%; Score 17; DB 7; Length 660;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGAGTGGCGTG 53
Db 150 GAGGAGAGTGGCGTG 134

RESULT 22
US-10-425-114-32377/c
/ Sequence 32377, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jindong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425, 114
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 32377
/ LENGTH: 672
/ TYPE: DNA
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: UC-ZMFLB73303D03_FLI
US-10-425-114-32377

Query Match 32.1%; Score 17; DB 7; Length 672;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGAGTGGCGCTG 53
|||||
Db 421 GAGGAGAGTGGCGCTG 405
|||||
RESULT 23
US-10-425-115-30511/c
; Sequence 30511, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 30511
; LENGTH: 791
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURES:
; OTHER INFORMATION: Clone ID: M74577_127836C.1
US-10-425-115-30511
Query Match 32.1% Score 17; DB 8; Length 791;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 37 GAGGAGAGTGGCGCTG 53
|||||
Db 303 GAGGAGAGTGGCGCTG 287
|||||
RESULT 24
US-09-981-876-24
; Sequence 24, Application US/09981876
; Patent No. US2002016469A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/981,876
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,336
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/047,615
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,600
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,597
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,502
; PRIOR FILING DATE: 1997-05-23

; PRIOR APPLICATION NUMBER: 60/047,633
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,583
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,617
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,618
; PRIOR FILING DATE: 1997-05-23
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; PRIOR APPLICATION NUMBER: 60/047,598
; PRIOR FILING DATE: 1997-05-23
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; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,596
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; PRIOR APPLICATION NUMBER: 60/047,612
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,632
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; PRIOR APPLICATION NUMBER: 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,568
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,569
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,311
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,671
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,674
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; PRIOR APPLICATION NUMBER: 60/043,669
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,312
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,313
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,672
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,315
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/048,974
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/056,886
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,877
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,889
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,893
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,630
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,878

;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,662
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,872
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,882
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,637
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,903
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,888
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;; PRIOR APPLICATION NUMBER: 60/056,911
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;; PRIOR APPLICATION NUMBER: 60/056,636
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,874
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,910
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,864
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,631
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,845
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,892
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/047,595
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/057,761
;; PRIOR FILING DATE: 05-Sep-1997
;; PRIOR APPLICATION NUMBER: 60/047,599
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,588
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,585
;; PRIOR FILING DATE: 1997-05-23
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;; PRIOR FILING DATE: 1997-05-23
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;; PRIOR FILING DATE: 1997-05-23
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;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,614
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/043,578
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,576
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/047,501
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/043,670
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/056,632
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,664
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,876
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,881
;; PRIOR FILING DATE: 1997-08-22

;; PRIOR APPLICATION NUMBER: 60/056,909
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,875
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,862
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,887
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,908
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/048,964
;; PRIOR FILING DATE: 1997-06-06
;; PRIOR APPLICATION NUMBER: 60/057,650
;; PRIOR FILING DATE: 1997-09-05
;; PRIOR APPLICATION NUMBER: 60/056,884
;; PRIOR FILING DATE: 1997-08-22
;; NUMBER OF SEQ ID NOS: 280
;; SOFTWARE: Patentin Ver. 2.0
;; SEQ ID NO 24
;; LENGTH: 796

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
DB 246 AGCGATGAGGAGGAGTG 262

RESULT 25
US-09-148-545-24
;; Sequence 24, Application US/09148545
;; Publication No. US20030027132A1
;; GENERAL INFORMATION:
;; APPLICANT: Rosen et al.
;; TITLE OF INVENTION: 70 Human Secreted Proteins
;; FILE REFERENCE: P2001P1
;; CURRENT FILING DATE: 1998-09-04
;; EARLIER APPLICATION NUMBER: PCT/US98/04482
;; EARLIER FILING DATE: 1998-03-06
;; EARLIER APPLICATION NUMBER: 60/040,162
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/040,333
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/038,621
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/040,161
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/040,626
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/040,334
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/040,336
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/040,163
;; EARLIER FILING DATE: 1997-03-07
;; EARLIER APPLICATION NUMBER: 60/047,615
;; EARLIER FILING DATE: 1997-05-23
;; EARLIER APPLICATION NUMBER: 60/047,600
;; EARLIER FILING DATE: 1997-05-23
;; EARLIER APPLICATION NUMBER: 60/047,597
;; EARLIER FILING DATE: 1997-05-23
;; EARLIER APPLICATION NUMBER: 60/047,502
;; EARLIER FILING DATE: 1997-05-23
;; EARLIER APPLICATION NUMBER: 60/047,633
;; EARLIER FILING DATE: 1997-05-23
;; EARLIER APPLICATION NUMBER: 60/047,583
;; EARLIER FILING DATE: 1997-05-23
;; EARLIER APPLICATION NUMBER: 60/047,617
;; EARLIER FILING DATE: 1997-05-23
;; EARLIER APPLICATION NUMBER: 60/047,618

[illegible]

EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796

Query Match 32.1%; Score 17; DB 3; Length 796;
Best Local Similarity 100.0%; Freq. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 246 AGCGATGAGGAGGAGTG 262

RESULT 26
US-10-979-111-24
Sequence 24, Application US/10979111
Publication No. US20050215775A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/10/979,111
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/621,011
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: 09/148,545
PRIOR FILING DATE: 1998-09-04
PRIOR APPLICATION NUMBER: 60/040,162
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,333
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/038,621
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,161
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,626
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,334
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,336
PRIOR FILING DATE: 1997-03-07
PRIOR APPLICATION NUMBER: 60/040,163
Remainder Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 796
TYPE: DNA
ORGANISM: Homo sapiens
US-10-979-111-24

Query Match 32.1%; Score 17; DB 9; Length 796;
Best Local Similarity 100.0%; Freq. No. 29;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 246 AGCGATGAGGAGGAGTG 262

RESULT 27
US-09-981-876-89

Sequence 89, Application US/09981876
Patent No. US20020164669A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/981,876
CURRENT FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: 09/148,545
PRIOR FILING DATE: 1998-09-04
PRIOR APPLICATION NUMBER: 60/040,162
PRIOR FILING DATE: 1997-03-07
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PRIOR APPLICATION NUMBER: 60/047,615
PRIOR FILING DATE: 1997-05-23
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PRIOR FILING DATE: 1997-05-23
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PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,582
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,596
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,612
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,632
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,601
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/043,580
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,568

;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,314
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,569
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,311
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,671
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;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,669
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,312
;; PRIOR FILING DATE: 1997-04-11
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;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,672
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,315
;; PRIOR FILING DATE: 1997-04-11
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;; PRIOR FILING DATE: 1997-06-06
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;; PRIOR FILING DATE: 1997-08-22
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;; PRIOR FILING DATE: 1997-08-22
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;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,845
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,892
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/047,595
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/057,761
;; PRIOR FILING DATE: 05-Sep-1997

;; PRIOR APPLICATION NUMBER: 60/047,599
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;; PRIOR APPLICATION NUMBER: 60/047,588
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,585
;; PRIOR FILING DATE: 1997-05-23
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;; PRIOR FILING DATE: 1997-05-23
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;; PRIOR FILING DATE: 1997-05-23
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;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/047,614
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/043,578
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/043,576
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/047,501
;; PRIOR FILING DATE: 1997-05-23
;; PRIOR APPLICATION NUMBER: 60/043,670
;; PRIOR FILING DATE: 1997-04-11
;; PRIOR APPLICATION NUMBER: 60/056,632
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,664
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;; PRIOR APPLICATION NUMBER: 60/056,876
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,881
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,909
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,875
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,862
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,887
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/056,908
;; PRIOR FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: 60/048,964
;; PRIOR FILING DATE: 1997-06-06
;; PRIOR APPLICATION NUMBER: 60/057,650
;; PRIOR FILING DATE: 1997-09-05
;; PRIOR APPLICATION NUMBER: 60/056,884
;; PRIOR FILING DATE: 1997-08-22
;; NUMBER OF SEQ ID NOS: 280
;; SOFTWARE: Patentin Ver. 2.0
;; SEQ ID NO 89
;; LENGTH: 855

Query Match 32.1%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGAGTG 47
|||||
Db 124 AGCGATGAGGAGAGTG 140

RESULT 28
US-09-148-545-89
; Sequence 89, Application US/09148545
; Publication No. US20030027132A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/148,545

[illegible]

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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
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; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
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; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855

Query Match      32.1%; Score 17; DB 3; Length 855;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      31 AGCGATGAGGAGGAGTG 47
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 29
US-10-979-111-89
; Sequence 89, Application US/10979111
; Publication No. US2005021575A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001p1
; CURRENT APPLICATION NUMBER: US/10/979,111
; PRIOR FILING DATE: 2004-11-02
; PRIOR APPLICATION NUMBER: US/09/621,011
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 09/148,545
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
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; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,161
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,336
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 855
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (103)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (767)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (831)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-979-111-89

Query Match      32.1%; Score 17; DB 9; Length 855;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      31 AGCGATGAGGAGGAGTG 47
Db      124 AGCGATGAGGAGGAGTG 140

RESULT 30
US-10-450-763-18397
; Sequence 18397, Application US/10450763
; Publication No. US2005019675A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 18397
; LENGTH: 1015
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (381)..(515)
; OTHER INFORMATION: 95% homologous to Homo sapiens 8D6 antigen, accession number
; OTHER INFORMATION: AL365455, Smith-Waterman Score=254.
US-10-450-763-18397
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Query Match 32.1%; Score 17; DB 9; Length 1015;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGTG 47
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DB 492 AGCGATGAGGAGTG 508

RESULT 31

US-10-437-963-96792/C
; Sequence 96792, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 96792
; LENGTH: 1034
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_94856C.1
US-10-437-963-96792

Query Match 32.1%; Score 17; DB 7; Length 1034;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 34 GATGAGGAGGAGTGCG 50
|||||
DB 900 GATGAGGAGGAGTGCG 884

RESULT 32

US-10-425-115-30514/C
; Sequence 30514, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 30514
; LENGTH: 1103
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_127839C.1
US-10-425-115-30514

Query Match 32.1%; Score 17; DB 8; Length 1103;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGGAGTGCGCTG 53

DB 468 GAGGAGGAGTGCGCTG 452
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RESULT 33

US-09-909-320-126
; Sequence 126, Application US/09909320
; Patent No. US20020132240A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Ratton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,320
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05

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; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-320-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 34
US-09-909-088B-126
; Sequence 126, Application US/09909088B
; Patent No. US20020146709A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,088B
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
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; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
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; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-088B-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 35
US-09-905-291A-126
; Sequence 126, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavich, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,291A
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
```

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; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-291a-126
```

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Query Match      32.1% Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
```

```

RESULT 36
US-09-902-853-126
; Sequence 126, Application US/09902853
; Publication No. US20020192659A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavrin, Ivar J.
; APPLICANT: Mather, Jennie F.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
```

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; CURRENT APPLICATION NUMBER: US/09/902,853
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US/09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-902-853-126
```

```

Query Match      32.1% Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
```

```

RESULT 37
US-09-907-824-126
; Sequence 126, Application US/09907824
; Publication No. US20020197671A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
```

```

; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,824
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-907-824-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 38
US-09-907-841-126
; Sequence 126, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
```

```

; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,841
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-841-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 39
US-09-904-011-126
; Sequence 126, Application US/09904011
; Publication No. US20030003530A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
```

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,011
PRIOR FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-011-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
|||||
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 40
US-09-903-640-126
Sequence 126, Application US/09903640
Publication No. US20030017463A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/903,640
PRIOR FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-903-640-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
|||||
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 41
US-09-908-093-126
Sequence 126, Application US/09908093
Publication No. US20030017498A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang

```

; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/908,093
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-908-093-126

Query Match      32.1%, Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
RESULT 42
US-09-906-742-126
; Sequence 126, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Aekkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
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LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-742-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 43

US-09-906-838-126
Sequence 126, Application US/09906838
Publication No. US20030027145A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertschen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavrin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906, 838
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-838-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGGAGTG 47
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 44

US-09-907-613-126
Sequence 126, Application US/09907613
Publication No. US20030027145A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertschen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavrin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907, 613
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08

```

; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-613-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17/ Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 45
US-09-907-942-126
; Sequence 126, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Klyavin, Ivar J.
; APPLICANT: Macher, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
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; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-942-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17/ Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298

RESULT 46
US-09-904-859-126
; Sequence 126, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
```



```

; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-859-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGAGTG 47
Db      282 AGCGATGAGGAGGAGTG 298
```

```

; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,204
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 126
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-204-126

Query Match      32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 31 AGCGATGAGAGAGTG 47
DB 282 AGCGATGAGAGAGTG 298

RESULT 48
US-09-904-820-126
Sequence 126, Application US/09904820
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904, 820
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999

QY 31 AGCGATGAGAGAGTG 47
DB 282 AGCGATGAGAGAGTG 298

RESULT 49
US-09-904-786-126
Sequence 126, Application US/09904786
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904, 786
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 126
LENGTH: 1210
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-786-126

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGAGTG 47
DB 282 AGCGATGAGAGAGTG 298

RESULT 50

Query Match 32.1%; Score 17; DB 3; Length 1210;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-09-906-646-126
; Sequence 126, Application US/09906646
; Publication No. US2003003997A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavrin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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C 725	12	22.6	2049	6	US-10-750-185-30215	Sequence 30215, A	798	12	22.6	3073	7	US-11-113-424-11	Sequence 11, Appl
C 726	12	22.6	2049	6	US-10-750-623-30215	Sequence 30215, A	799	12	22.6	3129	6	US-10-821-234-292	Sequence 22, App
727	12	22.6	2063	6	US-10-750-185-32207	Sequence 32207, A	C 800	12	22.6	3162	6	US-10-517-939-51	Sequence 51, Appl
728	12	22.6	2063	6	US-10-750-623-32207	Sequence 32207, A	C 801	12	22.6	3162	6	US-10-517-939-51	Sequence 51, Appl
729	12	22.6	2063	6	US-10-689-742-139	Sequence 139, App	C 802	12	22.6	3186	6	US-10-995-561-339	Sequence 535, App
C 730	12	22.6	2079	7	US-11-045-802-25	Sequence 25, Appl	C 803	12	22.6	3242	6	US-10-995-561-338	Sequence 338, App
C 731	12	22.6	2090	7	US-11-136-527-2088	Sequence 2088, Ap	C 804	12	22.6	3276	6	US-10-947-249-138	Sequence 138, App
C 732	12	22.6	2092	6	US-10-510-386-219	Sequence 219, App	C 805	12	22.6	3301	6	US-10-750-185-32148	Sequence 32148, A
C 733	12	22.6	2092	6	US-10-955-054A-41	Sequence 41, Appl	C 806	12	22.6	3301	6	US-10-750-623-32148	Sequence 32148, A
C 734	12	22.6	2106	6	US-10-750-185-33638	Sequence 33638, A	C 807	12	22.6	3305	7	US-11-017-550-68	Sequence 68, Appl
C 735	12	22.6	2106	6	US-10-750-623-33638	Sequence 33638, A	C 808	12	22.6	3308	6	US-10-750-185-51682	Sequence 51682, A
736	12	22.6	2148	6	US-11-136-527-313	Sequence 313, App	809	12	22.6	3308	6	US-10-750-623-51682	Sequence 51682, A
737	12	22.6	2175	6	US-10-821-234-654	Sequence 654, App	810	12	22.6	3381	6	US-11-075-185-33	Sequence 33, Appl
738	12	22.6	2200	6	US-10-510-386-149	Sequence 149, App	811	12	22.6	3384	6	US-10-858-730-41	Sequence 41, Appl
739	12	22.6	2257	7	US-11-110-082-13	Sequence 13, Appl	812	12	22.6	3396	6	US-10-995-561-354	Sequence 354, App
740	12	22.6	2269	7	US-11-000-688-1374	Sequence 1374, Ap	813	12	22.6	3407	7	US-11-124-368A-2	Sequence 2, Appl1
C 741	12	22.6	2279	6	US-10-750-185-58019	Sequence 58019, A	814	12	22.6	3418	7	US-11-136-527-3778	Sequence 3778, Ap
C 742	12	22.6	2279	6	US-10-750-623-58019	Sequence 58019, A	815	12	22.6	3458	6	US-10-995-561-355	Sequence 169, App
743	12	22.6	2288	6	US-10-750-185-59794	Sequence 59794, A	816	12	22.6	3460	6	US-10-775-169-169	Sequence 169, App
744	12	22.6	2288	6	US-10-750-623-59794	Sequence 59794, A	C 817	12	22.6	3502	6	US-10-750-185-40263	Sequence 40263, A
C 745	12	22.6	2302	7	US-11-110-082-20	Sequence 20, Appl	C 818	12	22.6	3502	6	US-10-750-623-40263	Sequence 40263, A
C 746	12	22.6	2313	6	US-10-821-234-417	Sequence 417, App	C 819	12	22.6	3566	6	US-10-750-185-27891	Sequence 27891, A
747	12	22.6	2331	6	US-10-517-939-29	Sequence 29, Appl	820	12	22.6	3566	6	US-10-750-623-27891	Sequence 27891, A
748	12	22.6	2334	6	US-10-821-234-806	Sequence 806, App	821	12	22.6	3657	6	US-10-909-125-810	Sequence 810, App
749	12	22.6	2341	6	US-10-750-185-38841	Sequence 38841, A	822	12	22.6	3708	7	US-11-136-527-3763	Sequence 2763, App
750	12	22.6	2341	6	US-10-750-623-38841	Sequence 38841, A	823	12	22.6	3780	7	US-11-000-688-525	Sequence 525, App
751	12	22.6	2365	7	US-11-120-308-41	Sequence 41, Appl	824	12	22.6	3786	6	US-10-750-185-40500	Sequence 40500, A
752	12	22.6	2370	6	US-10-750-185-64676	Sequence 64676, A	825	12	22.6	3786	6	US-10-750-623-40500	Sequence 40500, A
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973 12 22.6 98560 6 US-10-995-561-13323 Sequence 13323, A
974 12 22.6 101786 7 US-11-117-187-199 Sequence 199, App
975 12 22.6 103931 7 US-11-117-187-193 Sequence 193, App
976 12 22.6 110847 7 US-11-121-086-11 Sequence 11, App1
977 12 22.6 116856 7 US-11-143-980-1 Sequence 1, App1
978 12 22.6 116856 7 US-11-143-980-1 Sequence 1, App1
979 12 22.6 119160 7 US-11-121-086-12 Sequence 12, App1
980 12 22.6 126552 7 US-11-121-086-1 Sequence 1, App1
981 12 22.6 127917 6 US-10-775-169-82 Sequence 82, App1
982 12 22.6 134499 7 US-11-117-187-192 Sequence 192, App
983 12 22.6 138821 7 US-11-121-086-80 Sequence 80, App1
984 12 22.6 144524 7 US-11-004-762-16 Sequence 16, App1
985 12 22.6 150038 7 US-11-121-086-23 Sequence 23, App1
986 12 22.6 151152 6 US-10-775-169-243 Sequence 243, App
987 12 22.6 151152 6 US-10-775-169-243 Sequence 243, App
988 12 22.6 153142 7 US-11-121-086-27 Sequence 27, App1
989 12 22.6 153176 7 US-11-121-086-5 Sequence 5, App1
990 12 22.6 156250 7 US-11-121-086-86 Sequence 86, App1
991 12 22.6 156297 7 US-11-121-086-65 Sequence 65, App1
992 12 22.6 159146 7 US-11-121-086-49 Sequence 49, App1
993 12 22.6 162289 7 US-11-121-086-20 Sequence 20, App1
994 12 22.6 162537 7 US-11-121-086-59 Sequence 59, App1
995 12 22.6 164527 7 US-11-121-086-71 Sequence 71, App1
996 12 22.6 165156 6 US-10-995-561-13304 Sequence 13304, A
997 12 22.6 167116 7 US-11-121-086-44 Sequence 44, App1
998 12 22.6 168516 7 US-11-121-086-3 Sequence 3, App1
999 12 22.6 169047 7 US-11-121-086-15 Sequence 15, App1
C1000 12 22.6 169047 7 US-11-121-086-15 Sequence 15, App1
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ALIGNMENTS

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RESULT 1
US-10-131-826A-311
; Sequence 311, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
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; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 311
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-131-826A-311
Query Match 32.1%; Score 17; DB 6; Length 1210;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 31 AGCGATGAGGAGGAGTG 47
Db 282 AGCGATGAGGAGGAGTG 298

RESULT 2
US-11-080-991-33
; Sequence 33, Application US/11080991
; Publication No. US20050266437A1
; GENERAL INFORMATION:
; APPLICANT: Veiby, Petter Ole
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; FILE REFERENCE: MRI-039
; CURRENT APPLICATION NUMBER: US/11/080,991
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/10/176,847
; PRIOR FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 1375
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336,
; LOCATION: 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346,
; LOCATION: 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356,
; LOCATION: 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1366, 1367, 1368, 1369, 1370, 1371, 1372
; OTHER INFORMATION: n = A,T,C or G
US-11-080-991-33
Query Match 32.1%; Score 17; DB 7; Length 1375;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 31 AGCGATGAGGAGGAGTG 47
Db 324 AGCGATGAGGAGGAGTG 340

RESULT 3
US-10-467-657-4507/C
; Sequence 4507, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
```

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; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 4507
; LENGTH: 1353
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4507
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Query Match          30.2%; Score 16; DB 6; Length 1353;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      5 CCTGCCCGCAGACGA 20
Db      209 CCTGCCCGCAGACGA 194
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RESULT 4
US-10-467-657-8511/c
; Sequence 8511, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 8511
; LENGTH: 1353
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8511
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Query Match          30.2%; Score 16; DB 6; Length 1353;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      5 CCTGCCCGCAGACGA 20
Db      209 CCTGCCCGCAGACGA 194
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RESULT 5
US-11-101-244-945697
; Sequence 945697, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
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; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945697
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-945697
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Query Match          28.3%; Score 15; DB 8; Length 19;
Best Local Similarity 86.7%; Pred. No. 63;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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QY      33 CGATGAGAGAGAGTG 47
Db      2 CGAUGAGAGAGAGUG 16
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RESULT 6
US-11-083-784-945697
; Sequence 945697, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945697
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-945697
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Query Match          28.3%; Score 15; DB 9; Length 19;
Best Local Similarity 86.7%; Pred. No. 63;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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QY      33 CGATGAGAGAGAGTG 47
Db      2 CGAUGAGAGAGAGUG 16
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RESULT 7
US-10-914-165-2/c
; Sequence 2, Application US/10914165
; Publication No. US20050244840A9
; GENERAL INFORMATION:
; APPLICANT: JACKSON, MARY
; APPLICANT: GICQUEL, BRIGITTE
; TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCROBACTERIAL MOLECULES
; FILE REFERENCE: 03495.0182-01
; CURRENT APPLICATION NUMBER: US/10/914,165
; CURRENT FILING DATE: 2004-08-10
; PRIOR APPLICATION NUMBER: US/10/383,675
; PRIOR FILING DATE: 2003-03-10
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; PRIOR APPLICATION NUMBER: 09/429,370
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/113,375
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/111,813
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 09/181,934
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 33
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-914-165-2
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Query Match      28.3%; Score 15; DB 6; Length 33;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      15 CGACGATGAGAGCG 29
DB      33 CGACGATGAGAGCG 19
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RESULT 8
US-10-802-796-526/c
; Sequence 526, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent In Ver. 2.2
; SEQ ID NO 526
; LENGTH: 173
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-526
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Query Match      28.3%; Score 15; DB 6; Length 173;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB      54 AGCGATGAGAGAG 40
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RESULT 9
US-10-802-796-266/c
; Sequence 266, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
```

```
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent In Ver. 2.2
; SEQ ID NO 266
; LENGTH: 217
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (139)..(140)
; OTHER INFORMATION: a, c, c or g
US-10-802-796-266
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```
Query Match      28.3%; Score 15; DB 6; Length 217;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      15 CGACGATGAGAGCG 29
DB      36 CGACGATGAGAGCG 22
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RESULT 10
US-10-802-796-597/c
; Sequence 597, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent In Ver. 2.2
; SEQ ID NO 597
; LENGTH: 234
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-597
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Query Match      28.3%; Score 15; DB 6; Length 234;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      31 AGCGATGAGAGAG 45
DB      62 AGCGATGAGAGAG 48
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RESULT 11
US-10-802-796-586/c
; Sequence 586, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 586
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-586
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```
Query Match      28.3%; Score 15; DB 6; Length 241;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      31 AGCGATGAGGAGGAG 45
DB      42 AGCGATGAGGAGGAG 28
```

```
RESULT 12
US-10-802-796-635/c
; Sequence 635, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 635
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-635
```

```
Query Match      28.3%; Score 15; DB 6; Length 376;
Best Local Similarity 100.0%; Pred. No. 45;
```

```
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY      31 AGCGATGAGGAGGAG 45
DB      65 AGCGATGAGGAGGAG 51
```

```
RESULT 13
US-10-802-796-521/c
; Sequence 521, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 521
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-802-796-521
```

```
Query Match      28.3%; Score 15; DB 6; Length 406;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      31 AGCGATGAGGAGGAG 45
DB      37 AGCGATGAGGAGGAG 23
```

```
RESULT 14
US-10-802-796-60/c
; Sequence 60, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESER-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILLAULT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 60
; LENGTH: 448
; TYPE: DNA
```

```

; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (154)..(155)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (322)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (334)
; OTHER INFORMATION: a, t, c or g
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (347)
; OTHER INFORMATION: a, t, c or g
US-10-802-796-60
```

```
Query Match      28.3%; Score 15; DB 6; Length 448;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      31 AGCGATGAGGAGGAG 45
Db      408 AGCGATGAGGAGGAG 394
```

```
RESULT 15
US-10-467-657-6779/c
; Sequence 6779, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACT Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqMan99, version 1.04
; SEQ ID NO 6779
; LENGTH: 1536
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6779
```

```
Query Match      28.3%; Score 15; DB 6; Length 1536;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      8 GCGCCGACGACGATG 22
Db      1406 GCGCCGACGACGATG 1392
```

```
RESULT 16
US-10-914-165-36
; Sequence 36, Application US/10914165
; Publication No. US20050244840A9
; GENERAL INFORMATION:
; APPLICANT: JACKSON, MARY
; APPLICANT: GICQUEL, BRIGITTE
; TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCOBACTERIAL MOLECULES
; FILE REFERENCE: 03495, 0182-01
; CURRENT APPLICATION NUMBER: US/10/914,165
; CURRENT FILING DATE: 2004-08-10
; PRIOR APPLICATION NUMBER: US/10/383,675
```

```

; PRIOR FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 09/429,370
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/113,375
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/111,813
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 09/181,934
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 1600
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (549)..(1562)
US-10-914-165-36
```

```
Query Match      28.3%; Score 15; DB 6; Length 1600;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      15 CGACGATGCAGACGC 29
Db      1571 CGACGATGCAGACGC 1585
```

```
RESULT 17
US-10-750-185-36768/c
; Sequence 36768, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: DNA
; ORGANISM: Bovine 1906680532175
US-10-750-185-36768
```

```
Query Match      28.3%; Score 15; DB 6; Length 1877;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      37 GAGGAGGAGTGGCGC 51
Db      430 GAGGAGGAGTGGCGC 416
```

```
RESULT 18
US-10-750-623-36768/c
; Sequence 36768, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
```



```
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MH1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36768
; LENGTH: 1877
; TYPE: DNA
; ORGANISM: Bovine 1986680532175
US-10-750-623-36768
```

```
Query Match 28.3%; Score 15; DB 6; Length 1877;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 37 GAGAGAGAGTGGCCG 51
Db 430 GAGAGAGAGTGGCCG 416
```

RESULT 19

```
US-11-101-244-728214
; Sequence 728214, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 728214
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-728214
```

```
Query Match 26.4%; Score 14; DB 8; Length 19;
Best Local Similarity 92.9%; Pred. No. 2.1e+02;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 32 GCGATGAGAGAGAG 45
Db 1 GCGATGAGAGAGAG 14
```

RESULT 20

```
US-11-101-244-945687
; Sequence 945687, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
```

```
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945687
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-945687
```

```
Query Match 26.4%; Score 14; DB 8; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 34 GATGAGAGAGAGTG 47
Db 1 AATGAGAGAGAGTG 14
```

RESULT 21

```
US-11-101-244-1317804
; Sequence 1317804, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1317804
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-1317804
```

```
Query Match 26.4%; Score 14; DB 8; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 35 ATGAGAGAGAGTG 48
Db 4 AATGAGAGAGAGTG 17
```

RESULT 22

```
US-11-083-784-728214
; Sequence 728214, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
```

```
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 728214
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-728214

Query Match      26.4%; Score 14; DB 9; Length 19;
Best Local Similarity 92.9%; Pred. No. 2.1e+02;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      32 GCGATGAGAGAG 45
Db      1 GCGATGAGAGAG 14

RESULT 23
US-11-083-784-945687
; Sequence 945687, Application US/11083784
; Publication No. US2005024475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 945687
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-945687

Query Match      26.4%; Score 14; DB 9; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      34 GATGAGAGAGCTG 47
Db      1 GATGAGAGAGAG 14

RESULT 24
US-11-083-784-1317804
; Sequence 1317804, Application US/11083784
; Publication No. US2005024475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
```

```
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1317804
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-1317804

Query Match      26.4%; Score 14; DB 9; Length 19;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      35 ATGAGAGAGAGCTG 48
Db      4 AUGAGAGAGAG 17

RESULT 25
US-10-310-914A-813859/C
; Sequence 813859, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiner, Krystal
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 813859
; LENGTH: 22
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-813859

Query Match      26.4%; Score 14; DB 6; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      37 GAGGAGAGTGGCG 50
Db      14 GAGGAGAGTGGCG 1

RESULT 26
US-10-310-914A-813864/C
; Sequence 813864, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiner, Krystal
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 813864
```

LENGTH: 24
TYPE: RNA
ORGANISM: Human
US-10-310-914A-813864

Query Match 26.4%; Score 14; DB 6; Length 24;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 GAGGAGAGTGGCG 50
DB 24 GAGGAGAGTGGCG 11

RESULT 27
US-10-995-561-9566
Sequence 9566, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9566
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9566

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 28
US-10-995-561-9588
Sequence 9588, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9588
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9588

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 29

US-10-995-561-9618
Sequence 9618, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9618
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9618

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 30
US-10-995-561-9648
Sequence 9648, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9648
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-9648

Query Match 26.4%; Score 14; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGAGGA 44
DB 75 AGCGATGAGAGGA 88

RESULT 31
US-10-995-561-51603
Sequence 51603, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 51603
LENGTH: 201

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-51603

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 201;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGA 44
Db      75 AGCGATGAGGAGA 88

RESULT 32
US-10-750-185-59548
; Sequence 59548, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 59548
; LENGTH: 674
; TYPE: DNA
; ORGANISM: Bovine 1986680688147
US-10-750-185-59548

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 674;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGA 44
Db      127 AGCGATGAGGAGA 140

RESULT 33
US-10-750-623-59548
; Sequence 59548, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 59548
; LENGTH: 674
; TYPE: DNA
; ORGANISM: Bovine 1986680688147
US-10-750-623-59548
```

```
Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 674;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGA 44
Db      127 AGCGATGAGGAGA 140

RESULT 34
US-10-467-657-2587
; Sequence 2587, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASTIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn9, version 1.04
; SEQ ID NO 2587
; LENGTH: 921
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2587

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 921;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 TGGCGCGAGGACGA 20
Db      594 TGGCGCGAGGACGA 607

RESULT 35
US-10-750-185-39369/c
; Sequence 39369, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39369
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Bovine 19866881231646
US-10-750-185-39369

Query Match
Best Local Similarity 100.0%; Score 14; DB 6; Length 1097;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 37 GAGAGAGAGTGCG 50
|||||
Db 231 GAGAGAGAGTGCG 218

RESULT 36
US-10-750-623-39369/c
; Sequence 39369, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39369
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Bovine 19866881231646
US-10-750-623-39369

Query Match 26.4%; Score 14; DB 6; Length 1097;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 37 GAGAGAGAGTGCG 50
|||||
Db 231 GAGAGAGAGTGCG 218

RESULT 37
US-11-109-056-2/c
; Sequence 2, Application US/11109056
; Publication No. US20050260232A1
; GENERAL INFORMATION:
; APPLICANT: ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY
; APPLICANT: JACOBS, JR., William R.
; APPLICANT: BLOOM, Barry
; APPLICANT: HONDALUS, Mary K.
; APPLICANT: SAMPSON, Samantha
; APPLICANT: SAMBANDAMURTHY, Vasan
; TITLE OF INVENTION: ATTENUATED MYCOBACTERIUM TUBERCULOSIS VACCINES
; FILE REFERENCE: 96700/821
; CURRENT APPLICATION NUMBER: US/11/109,056
; PRIOR FILING DATE: 2005-04-19
; PRIOR APPLICATION NUMBER: US 10/351,452
; PRIOR FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: US 60/358,152
; PRIOR FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 1298
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-11-109-056-2

Query Match 26.4%; Score 14; DB 7; Length 1298;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 TGACCTGCGCCGAC 15
|||||

Db 357 TGACCTGCGCCGAC 344

RESULT 38
US-10-750-185-38129
; Sequence 38129, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38129
; LENGTH: 1363
; TYPE: DNA
; ORGANISM: Bovine 19866881029115
US-10-750-185-38129

Query Match 26.4%; Score 14; DB 6; Length 1363;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 34 GATGAGAGAGTG 47
|||||
Db 324 GATGAGAGAGTG 337

RESULT 39
US-10-750-623-38129
; Sequence 38129, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38129
; LENGTH: 1363
; TYPE: DNA
; ORGANISM: Bovine 19866881029115
US-10-750-623-38129

Query Match 26.4%; Score 14; DB 6; Length 1363;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 34 GATGAGAGAGTG 47
|||||
Db 324 GATGAGAGAGTG 337

```
RESULT 40
US-10-750-185-32438/c
; Sequence 32438, Application US/10750185
; Publication No. US2005026060A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32438
; LENGTH: 1792
; TYPE: DNA
; ORGANISM: Bovine 19866880842186
US-10-750-185-32438
```

```
Query Match          26.4%; Score 14; DB 6; Length 1792;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 36 TGAGGAGAGTGGC 49

Db 1757 TGAGGAGAGTGGC 1744

```
RESULT 41
US-10-750-623-32438/c
; Sequence 32438, Application US/10750623
; Publication No. US2005028753A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32438
; LENGTH: 1792
; TYPE: DNA
; ORGANISM: Bovine 19866880842186
US-10-750-623-32438
```

```
Query Match          26.4%; Score 14; DB 6; Length 1792;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 36 TGAGGAGAGTGGC 49

Db 1757 TGAGGAGAGTGGC 1744

```
RESULT 42
US-10-467-657-5451/c
; Sequence 5451, Application US/10467657
```

```
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn99, version 1.04
; SEQ ID NO 5451
; LENGTH: 1893
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5451
```

```
Query Match          26.4%; Score 14; DB 6; Length 1893;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 9 CGCCGACGACGATG 22

Db 49 CGCCGACGACGATG 36

```
RESULT 43
US-10-467-657-7395/c
; Sequence 7395, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn99, version 1.04
; SEQ ID NO 7395
; LENGTH: 1893
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7395
```

```
Query Match          26.4%; Score 14; DB 6; Length 1893;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 9 CGCCGACGACGATG 22

Db 49 CGCCGACGACGATG 36

```
RESULT 44
US-11-080-991-75/c
; Sequence 75, Application US/11080991
; Publication No. US20050266437A1
; GENERAL INFORMATION:
; APPLICANT: Velby, Pelter Ole
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; AND OVARIAN CANCER
; FILE REFERENCE: MRI-039
```

;/ CURRENT APPLICATION NUMBER: US/11/080,991
;/ CURRENT FILING DATE: 2005-03-11
;/ PRIOR APPLICATION NUMBER: US/10/176,847
;/ PRIOR FILING DATE: 2002-06-21
;/ NUMBER OF SEQ ID NOS: 112
;/ SOFTWARE: FastSeq for Windows Version 4.0
;/ SEQ ID NO 75
;/ LENGTH: 2778
;/ TYPE: DNA
;/ ORGANISM: Homo sapiens
US-11-080-991-75

Query Match 26.4%; Score 14; DB 7; Length 2778;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 GCCGACGACGATGC 23
DB 505 GCCGACGACGATGC 492

RESULT 45
US-10-623-155-135/c
;/ Sequence 135, Application US/10623155
;/ Publication No. US20050261166A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Wang, Tongtong
;/ APPLICANT: Peckham, David W.
;/ APPLICANT: Retter, Marc W.
;/ APPLICANT: Fanger, Gary R.
;/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
;/ FILE REFERENCE: 210121.455C20
;/ CURRENT APPLICATION NUMBER: US/10/623,155
;/ CURRENT FILING DATE: 2003-07-17
;/ NUMBER OF SEQ ID NOS: 560
;/ SOFTWARE: FastSeq for Windows Version 4.0
;/ SEQ ID NO 135
;/ LENGTH: 2856
;/ TYPE: DNA
;/ ORGANISM: Homo sapiens
US-10-623-155-135

Query Match 26.4%; Score 14; DB 6; Length 2856;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 GCCGACGACGATGC 23
DB 680 GCCGACGACGATGC 667

RESULT 46
US-10-821-234-313/c
;/ Sequence 313, Application US/10821234
;/ Publication No. US20050255114A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Labat, Ivan
;/ APPLICANT: Stache-Crain, Birgit
;/ APPLICANT: Andarmant, Susan
;/ APPLICANT: Tang, Y. Tom
;/ TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;/ FILE REFERENCE: 821A
;/ CURRENT APPLICATION NUMBER: US/10/821,234
;/ CURRENT FILING DATE: 2004-04-07
;/ PRIOR APPLICATION NUMBER: US 60/462,047
;/ PRIOR FILING DATE: 2003-04-07
;/ NUMBER OF SEQ ID NOS: 1704
;/ SOFTWARE: pt_seq_genes Version 1.0
;/ SEQ ID NO 313
;/ LENGTH: 2861
;/ TYPE: DNA
;/ ORGANISM: Homo sapiens

US-10-821-234-313

Query Match 26.4%; Score 14; DB 6; Length 2861;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 GCCGACGACGATGC 23
DB 680 GCCGACGACGATGC 667

RESULT 47
US-10-507-275-2
;/ Sequence 2, Application US/10507275
;/ Publication No. US20050250166A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Masai, Hisao
;/ APPLICANT: Tamai, Katsuyuki
;/ APPLICANT: Medical and Biological Laboratories Co., Ltd.
;/ APPLICANT: Japan Science and Technology Agency
;/ APPLICANT: Ginkgo Biomedical Research Institute Co., Ltd.
;/ TITLE OF INVENTION: Cdc7-Ask Kinase Complex, Substrates of the Kinase Complex,
;/ TITLE OF INVENTION: Specific Antibodies to the Substrates, and Screening Methods
;/ TITLE OF INVENTION: Using the Same to Screen for Compounds Comprising Cdc7-Ask
;/ FILE REFERENCE: 082368-001100US
;/ CURRENT APPLICATION NUMBER: US/10/507,275
;/ CURRENT FILING DATE: 2004-09-09
;/ PRIOR APPLICATION NUMBER: JP 2002-067702
;/ PRIOR FILING DATE: 2002-03-12
;/ PRIOR APPLICATION NUMBER: WO PCT/JP03/02918
;/ PRIOR FILING DATE: 2003-03-12
;/ NUMBER OF SEQ ID NOS: 21
;/ SOFTWARE: PatentIn Ver. 2.1
;/ SEQ ID NO 2
;/ LENGTH: 3379
;/ TYPE: DNA
;/ ORGANISM: Homo sapiens
;/ NAME/KEY: CDS
;/ LOCATION: (31)..(2709)
US-10-507-275-2

Query Match 26.4%; Score 14; DB 6; Length 3379;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 AGCGATGAGGAGA 44
DB 414 AGCGATGAGGAGA 427

RESULT 48
US-11-087-227-11
;/ Sequence 11, Application US/11087227
;/ Publication No. US20050260566A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Fischer, Timothy J.
;/ APPLICANT: Malinowski, Douglas P.
;/ APPLICANT: Taylor, Adriann J.
;/ APPLICANT: Parker, Margaret R.
;/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
;/ TITLE OF INVENTION: DETECTION OF CERVICAL DISEASE
;/ FILE REFERENCE: 046143/287139
;/ CURRENT APPLICATION NUMBER: US/11/087,227
;/ CURRENT FILING DATE: 2005-03-23
;/ PRIOR APPLICATION NUMBER: 60/556,495
;/ PRIOR FILING DATE: 2004-03-24
;/ NUMBER OF SEQ ID NOS: 90
;/ SOFTWARE: FastSeq for Windows Version 4.0
;/ SEQ ID NO 11
;/ LENGTH: 3453
;/ TYPE: DNA

```
; ORGANISM: Homo sapiens
US-11-087-227-11

Query Match      26.4%; Score 14; DB 7; Length 3453;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGA 44
        |||
Db      472 AGCGATGAGGAGGA 485

RESULT 49
US-11-128-061-795
; Sequence 795, Application US/11128061
; Publication No. US2006003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 795
; LENGTH: 4184
; TYPE: DNA
; ORGANISM: Cricetus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1315)..(1366)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1681)..(1702)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4164)..(4184)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-795

Query Match      26.4%; Score 14; DB 7; Length 4184;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGA 44
        |||
Db      1827 AGCGATGAGGAGGA 1840

RESULT 50
US-10-995-561-350
; Sequence 350, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
```

```
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 350
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-350

Query Match      26.4%; Score 14; DB 6; Length 4473;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      31 AGCGATGAGGAGGA 44
        |||
Db      2495 AGCGATGAGGAGGA 2508

Search completed: January 12, 2006, 03:29:02
Job time : 328 secs
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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 18:37:01 ; Search time 81.1525 Seconds
(without alignments)
416.175 Million cell updates/sec

Title: US-10-086-206A-4

Perfect score: 19
Sequence: 1 gcgcgagagccgcgaactgc 19

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 1000 summaries

Database :

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1	19	100.0	1233	3	US-09-712-363-27	Sequence 27, Appl
2	19	100.0	4403765	3	US-09-103-840A-2	Sequence 2, Appl
3	19	100.0	4411529	3	US-09-103-840A-1	Sequence 1, Appl
4	15.8	83.2	126	3	US-09-934-289A-11	Sequence 11, Appl
5	15.8	83.2	126	3	US-09-934-289A-27	Sequence 27, Appl
6	15.8	83.2	126	3	US-09-934-289A-39	Sequence 39, Appl
7	15.8	83.2	126	3	US-09-934-289A-53	Sequence 53, Appl
8	15.8	83.2	371	3	US-09-640-211A-1466	Sequence 1466, Ap
9	15.8	83.2	558	3	US-09-934-289A-31	Sequence 31, Appl
10	15.8	83.2	579	3	US-09-146-950-3	Sequence 3, Appl
11	15.8	83.2	579	3	US-09-934-289A-3	Sequence 3, Appl
12	15.8	83.2	591	3	US-09-146-950-19	Sequence 19, Appl
13	15.8	83.2	591	3	US-09-934-289A-19	Sequence 19, Appl
14	15.8	83.2	601	3	US-09-949-016-71225	Sequence 71225, A
15	15.8	83.2	601	3	US-09-949-016-71225	Sequence 71225, A
16	15.8	83.2	1008	3	US-09-934-289A-43	Sequence 43, Appl
17	15.8	83.2	1596	3	US-09-252-991A-14592	Sequence 14592, A
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19	15.8	83.2	1707	3	US-09-934-289A-17	Sequence 17, Appl
20	15.8	83.2	1724	3	US-09-509-024-1	Sequence 2100, Ap
21	15.8	83.2	1724	3	US-09-333-279-1	Sequence 1, Appl
22	15.8	83.2	1724	3	US-09-631-780-1	Sequence 1, Appl
23	15.8	83.2	1724	3	US-09-934-289A-14	Sequence 14, Appl
24	15.8	83.2	1834	3	US-09-934-289A-41	Sequence 41, Appl

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C	26	15.8	83.2	1929	3	US-09-146-950-1	Sequence 1, Appl
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C	28	15.8	83.2	2313	3	US-09-934-289A-29	Sequence 29, Appl
C	29	15.8	83.2	4522	3	US-08-509-024-6	Sequence 6, Appl
C	30	15.8	83.2	4522	3	US-09-533-279-6	Sequence 6, Appl
C	31	15.8	83.2	4622	3	US-09-631-780-6	Sequence 6, Appl
C	32	15.8	83.2	11465	3	US-09-949-016-13842	Sequence 13842, A
C	33	15.8	83.2	81433	3	US-09-949-016-11941	Sequence 11941, A
C	34	15.8	83.2	84227	3	US-09-949-016-11734	Sequence 11734, A
C	35	15.4	81.1	759	3	US-09-252-991A-4027	Sequence 4027, Ap
C	36	15.4	81.1	1674	3	US-09-252-991A-3990	Sequence 3990, Ap
C	37	14.8	77.9	1029	3	US-09-902-540-2317	Sequence 2317, Ap
C	38	14.8	77.9	1773	3	US-09-902-540-7746	Sequence 7746, Ap
C	39	14.8	77.9	1865	3	US-09-722-971-13	Sequence 13, Appl
C	40	14.8	77.9	4348	3	US-09-902-540-617	Sequence 617, Appl
C	41	14.8	77.9	4854	3	US-09-902-540-768	Sequence 768, Appl
C	42	14.8	77.9	321022	3	US-09-949-016-11852	Sequence 11852, A
C	43	14.8	77.9	321022	3	US-09-949-016-14166	Sequence 14166, A
C	44	14.4	75.8	432	3	US-09-252-991A-1615	Sequence 1615, Ap
C	45	14.4	75.8	789	3	US-09-602-787A-297	Sequence 297, Appl
C	46	14.4	75.8	789	3	US-09-602-787A-299	Sequence 299, Appl
C	47	14.4	75.8	801	3	US-09-252-991A-10271	Sequence 10271, A
C	48	14.4	75.8	921	3	US-09-252-991A-10483	Sequence 10483, A
C	49	14.4	75.8	939	3	US-10-237-551-88	Sequence 88, Appl
C	50	14.4	75.8	1272	3	US-09-252-991A-1552	Sequence 1552, Ap
C	51	14.4	75.8	1532	3	US-09-252-991A-1460	Sequence 1460, Ap
C	52	14.4	75.8	1765	3	US-10-237-551-225	Sequence 225, Appl
C	53	14.4	75.8	2091	3	US-10-237-551-78	Sequence 78, Appl
C	54	14.4	75.8	2091	3	US-10-237-551-226	Sequence 226, Appl
C	55	14.4	75.8	2118	3	US-10-237-551-87	Sequence 87, Appl
C	56	14.4	75.8	2211	3	US-10-237-551-86	Sequence 86, Appl
C	57	14.4	75.8	49272	2	US-08-614-770A-1	Sequence 1, Appl
C	58	14.4	75.8	154746	3	US-09-827-688-8	Sequence 8, Appl
C	59	14.4	75.8	190078	3	US-09-949-016-12707	Sequence 12707, A
C	60	14.4	75.8	190078	3	US-09-949-016-17026	Sequence 17026, A
C	61	14.2	74.7	31	3	US-07-936-532-1	Sequence 1, Appl
C	62	14.2	74.7	201	3	US-09-902-540-6192	Sequence 6192, Ap
C	63	14.2	74.7	238	2	US-08-997-080-86	Sequence 86, Appl
C	64	14.2	74.7	238	2	US-08-997-362-86	Sequence 86, Appl
C	65	14.2	74.7	238	3	US-08-873-970-86	Sequence 86, Appl
C	66	14.2	74.7	238	3	US-09-095-855-86	Sequence 86, Appl
C	67	14.2	74.7	238	3	US-09-324-542-86	Sequence 86, Appl
C	68	14.2	74.7	238	3	US-09-205-426-86	Sequence 86, Appl
C	69	14.2	74.7	380	3	US-09-533-559-1602	Sequence 1602, Ap
C	70	14.2	74.7	402	3	US-09-976-594-204	Sequence 204, Appl
C	71	14.2	74.7	462	3	US-09-252-991A-15088	Sequence 15088, A
C	72	14.2	74.7	489	3	US-09-252-991A-1135	Sequence 1135, Ap
C	73	14.2	74.7	496	3	US-09-573-906-8	Sequence 8, Appl
C	74	14.2	74.7	503	3	US-09-270-767-9606	Sequence 9606, Ap
C	75	14.2	74.7	503	3	US-09-270-767-9606	Sequence 9606, Ap
C	76	14.2	74.7	639	3	US-09-252-991A-899	Sequence 899, Appl
C	77	14.2	74.7	639	3	US-09-533-559-5469	Sequence 5469, Ap
C	78	14.2	74.7	759	3	US-09-489-039-7085	Sequence 7085, Ap
C	79	14.2	74.7	768	3	US-09-902-540-4837	Sequence 4837, Ap
C	80	14.2	74.7	774	3	US-09-252-991A-14788	Sequence 14788, A
C	81	14.2	74.7	794	3	US-09-902-540-2384	Sequence 2384, Ap
C	82	14.2	74.7	888	3	US-09-902-540-3075	Sequence 3075, Ap
C	83	14.2	74.7	912	3	US-09-252-991A-15359	Sequence 15359, A
C	84	14.2	74.7	923	3	US-09-902-540-32	Sequence 32, Appl
C	85	14.2	74.7	957	3	US-09-252-991A-14537	Sequence 14537, A
C	86	14.2	74.7	978	3	US-09-252-991A-13236	Sequence 13236, A
C	87	14.2	74.7	999	3	US-09-902-540-1916	Sequence 1916, Ap
C	88	14.2	74.7	1008	3	US-09-252-991A-7103	Sequence 7103, Ap
C	89	14.2	74.7	1008	3	US-09-252-991A-7103	Sequence 7103, Ap
C	90	14.2	74.7	1057	3	US-09-602-787A-75	Sequence 75, Appl
C	91	14.2	74.7	1080	3	US-09-902-540-9688	Sequence 9688, Ap
C	92	14.2	74.7	1086	3	US-09-602-787A-73	Sequence 73, Appl
C	93	14.2	74.7	1131	3	US-09-383-586-7	Sequence 7, Appl
C	94	14.2	74.7	1131	3	US-09-823-038-7	Sequence 7, Appl
C	95	14.2	74.7	1152	3	US-09-270-767-13368	Sequence 13368, A
C	96	14.2	74.7	1179	3	US-09-902-540-8018	Sequence 8018, Ap
C	97	14.2	74.7	1188	3	US-09-252-991A-8670	Sequence 8670, Ap

C 98	14.2	74.7	1221	3	US-09-252-991A-14829	Sequence 14829, A	171	14.2	74.7	68750	3	US-10-014-717-1	Sequence 1, Appl1
C 99	14.2	74.7	1233	3	US-09-489-039A-2310	Sequence 2310, Ap	C 172	14.2	74.7	72704	3	US-09-902-540-1273	Sequence 1273, Ap
C 100	14.2	74.7	1253	3	US-09-252-991A-7050	Sequence 7050, Ap	C 173	14.2	74.7	124480	3	US-09-949-016-15921	Sequence 15921, A
C 101	14.2	74.7	1281	3	US-09-489-039A-2650	Sequence 2650, Ap	C 174	14.2	74.7	197336	3	US-09-949-016-12881	Sequence 12881, A
C 102	14.2	74.7	1409	3	US-09-573-906-3	Sequence 3, Appl1	C 175	14.2	74.7	197337	3	US-09-949-016-14376	Sequence 14376, A
C 103	14.2	74.7	1453	3	US-09-270-767-12553	Sequence 12553, A	C 176	14.2	74.7	197337	3	US-09-949-002-678	Sequence 738, App
C 104	14.2	74.7	1465	3	US-09-573-906-1	Sequence 1, Appl1	C 177	14.2	74.7	234287	3	US-09-949-002-687	Sequence 687, App
C 105	14.2	74.7	1518	2	US-08-997-080-88	Sequence 88, Appl1	C 178	14.2	74.7	234288	3	US-09-949-016-17772	Sequence 17272, A
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C 107	14.2	74.7	1518	2	US-08-873-970-88	Sequence 88, Appl1	C 180	14.2	74.7	4403765	3	US-09-103-840A-2	Sequence 2, Appl1
C 108	14.2	74.7	1518	3	US-09-095-855-88	Sequence 88, Appl1	C 181	14.2	74.7	4411529	3	US-09-103-840A-2	Sequence 1, Appl1
C 109	14.2	74.7	1518	3	US-09-324-542-88	Sequence 88, Appl1	C 182	14	73.7	11322	3	US-09-902-540-99255	Sequence 9255, App
C 110	14.2	74.7	1518	3	US-09-205-426-88	Sequence 88, Appl1	C 183	14	73.7	10322	3	US-09-902-540-989	Sequence 989, App
C 111	14.2	74.7	1599	3	US-09-252-991A-8617	Sequence 8617, Ap	C 184	13.8	72.6	20	2	US-08-910-629A-43	Sequence 43, Appl1
C 112	14.2	74.7	1644	3	US-09-252-991A-15473	Sequence 15473, A	C 185	13.8	72.6	20	3	US-09-287-796-43	Sequence 43, Appl1
C 113	14.2	74.7	1743	3	US-09-902-540-5822	Sequence 5822, Ap	C 186	13.8	72.6	20	3	US-09-987-796-165	Sequence 165, App
C 114	14.2	74.7	1816	3	US-09-270-767-10593	Sequence 10593, A	C 187	13.8	72.6	20	3	US-09-130-616-43	Sequence 43, Appl1
C 115	14.2	74.7	2060	3	US-09-949-016-1169	Sequence 1169, Ap	C 188	13.8	72.6	20	3	US-10-215-448-2	Sequence 2, Appl1
C 116	14.2	74.7	2099	3	US-09-643-597-158	Sequence 158, App	C 189	13.8	72.6	20	3	US-10-172-911-2	Sequence 2, Appl1
C 117	14.2	74.7	2099	3	US-09-480-884A-158	Sequence 158, App	C 190	13.8	72.6	20	3	US-09-774-809-43	Sequence 43, Appl1
C 118	14.2	74.7	2099	3	US-09-542-615A-158	Sequence 158, App	C 191	13.8	72.6	20	3	US-09-774-809-165	Sequence 165, App
C 119	14.2	74.7	2099	3	US-09-606-421B-158	Sequence 158, App	C 192	13.8	72.6	20	3	US-10-177-573-2	Sequence 2, Appl1
C 120	14.2	74.7	2099	3	US-09-221-107-158	Sequence 158, App	C 193	13.8	72.6	20	3	US-10-209-405-2	Sequence 2, Appl1
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C 125	14.2	74.7	2099	3	US-10-007-700-158	Sequence 158, App	C 198	13.8	72.6	411	3	US-09-252-991A-13552	Sequence 13552, A
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C 130	14.2	74.7	2749	3	US-09-999-833A-215	Sequence 215, App	C 203	13.8	72.6	561	3	US-09-270-767-3592	Sequence 3592, Ap
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C 134	14.2	74.7	2749	3	US-10-020-445A-215	Sequence 215, App	C 207	13.8	72.6	601	3	US-09-949-016-31145	Sequence 31145, A
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C 138	14.2	74.7	6200	3	US-09-902-540-8618	Sequence 8618, Ap	C 211	13.8	72.6	687	3	US-09-533-559-6238	Sequence 6238, Ap
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C 163	14.2	74.7	58857	3	US-09-477-962-1	Sequence 1, Appl1	C 236	13.8	72.6	4941	3	US-10-001-189-53	Sequence 53, Appl1
C 164	14.2	74.7	68750	3	US-09-335-409-1	Sequence 1, Appl1	C 237	13.8	72.6	4943	3	US-10-001-189-54	Sequence 54, Appl1
C 165	14.2	74.7	68750	3	US-09-568-102-1	Sequence 1, Appl1	C 238	13.8	72.6	4943	3	US-10-001-189-55	Sequence 55, Appl1
C 166	14.2	74.7	68750	3	US-09-567-969-1	Sequence 1, Appl1	C 239	13.8	72.6	4944	3	US-10-001-189-56	Sequence 56, Appl1
C 167	14.2	74.7	68750	3	US-09-568-480-1	Sequence 1, Appl1	C 240	13.8	72.6	4951	3	US-10-001-189-51	Sequence 51, Appl1
C 168	14.2	74.7	68750	3	US-09-568-486-1	Sequence 1, Appl1	C 241	13.8	72.6	4952	3	US-10-001-189-52	Sequence 52, Appl1
C 169	14.2	74.7	68750	3	US-09-568-472-1	Sequence 1, Appl1	C 242	13.8	72.6	8518	3	US-09-902-540-899	Sequence 899, Appl1
C 170	14.2	74.7	68750	3	US-09-567-899-1	Sequence 1, Appl1	C 243	13.8	72.6	8999	3	US-10-001-189-48	Sequence 48, Appl1

C 244	13.8	72.6	9012	3	US-10-001-189-49	Sequence 49, Appl	317	13.4	70.5	7515	3	US-09-902-540-888	Sequence 888, App
C 245	13.8	72.6	9013	3	US-10-001-189-50	Sequence 50, Appl	C 318	13.4	70.5	8321	3	US-09-902-540-979	Sequence 979, App
C 246	13.8	72.6	9993	3	US-09-902-540-942	Sequence 942, App	C 319	13.4	70.5	9419	3	US-09-562-702A-7	Sequence 7, Appl
C 247	13.8	72.6	10029	3	US-09-949-016-11846	Sequence 11846, A	C 320	13.4	70.5	9420	3	US-09-562-702A-3	Sequence 3, Appl
C 248	13.8	72.6	10029	3	US-09-949-016-16140	Sequence 16140, A	C 321	13.4	70.5	9534	3	US-09-562-702A-5	Sequence 5, Appl
C 249	13.8	72.6	10178	3	US-09-902-540-977	Sequence 977, App	C 322	13.4	70.5	9534	3	US-09-561-709B-8	Sequence 8, Appl
C 250	13.8	72.6	15268	3	US-09-902-540-1142	Sequence 1142, App	C 323	13.4	70.5	9534	3	US-09-917-254-35	Sequence 35, Appl
C 251	13.8	72.6	16387	3	US-09-902-540-1163	Sequence 1163, App	C 324	13.4	70.5	9534	3	US-09-949-016-66	Sequence 66, Appl
C 252	13.8	72.6	21490	3	US-09-949-016-14168	Sequence 14168, A	C 325	13.4	70.5	9535	3	US-09-562-702A-1	Sequence 1, Appl
C 253	13.8	72.6	22306	3	US-09-453-7028-251	Sequence 251, App	C 326	13.4	70.5	9537	3	US-09-949-016-1646	Sequence 1646, App
C 254	13.8	72.6	22306	3	US-10-114-170-251	Sequence 251, App	C 327	13.4	70.5	15024	3	US-09-843-250-11	Sequence 11, Appl
C 255	13.8	72.6	25709	3	US-09-949-016-13338	Sequence 13338, A	C 328	13.4	70.5	18075	3	US-09-949-016-16643	Sequence 16643, App
C 256	13.8	72.6	41927	3	US-09-902-540-1268	Sequence 1268, App	C 329	13.4	70.5	21295	3	US-09-902-540-1194	Sequence 1194, App
C 257	13.8	72.6	46819	3	US-09-453-7028-72	Sequence 72, Appl	C 330	13.4	70.5	36519	3	US-08-923-137-2	Sequence 2, Appl
C 258	13.8	72.6	46819	3	US-10-114-170-72	Sequence 72, Appl	C 331	13.4	70.5	174170	3	US-09-949-016-14810	Sequence 14810, A
C 259	13.8	72.6	58821	3	US-09-949-016-15897	Sequence 15897, A	C 332	13.4	70.5	174170	3	US-09-949-016-14811	Sequence 14811, A
C 260	13.8	72.6	58824	3	US-09-949-016-12615	Sequence 12615, A	C 333	13.4	70.5	174318	3	US-09-949-016-11880	Sequence 11880, A
C 261	13.8	72.6	76962	3	US-09-949-016-17482	Sequence 17482, A	C 334	13.4	70.5	174318	3	US-09-949-016-14812	Sequence 14812, A
C 262	13.8	72.6	76985	3	US-09-949-016-12416	Sequence 12416, A	C 335	13.4	70.5	174318	3	US-09-949-016-14813	Sequence 14813, A
C 263	13.8	72.6	76986	3	US-09-949-016-13120	Sequence 13120, A	C 336	13.4	70.5	636591	3	US-09-949-016-11808	Sequence 11808, A
C 264	13.4	70.5	50	3	US-10-131-827-1754	Sequence 1754, App	C 337	13.4	70.5	636591	3	US-09-949-016-13388	Sequence 13388, A
C 265	13.4	70.5	50	3	US-10-131-827-5537	Sequence 5537, App	C 338	13.2	69.5	18	2	US-08-093-741-33	Sequence 33, Appl
C 266	13.4	70.5	288	3	US-09-902-540-8446	Sequence 8446, App	C 339	13.2	69.5	18	2	US-08-920-012-33	Sequence 33, Appl
C 267	13.4	70.5	401	3	US-09-621-976-15706	Sequence 15706, A	C 340	13.2	69.5	25	3	US-09-936-1966-18815	Sequence 18815, A
C 268	13.4	70.5	424	3	US-09-640-211A-512	Sequence 512, App	C 341	13.2	69.5	26	2	US-08-093-741-34	Sequence 34, Appl
C 269	13.4	70.5	424	3	US-09-640-211A-1651	Sequence 1651, App	C 342	13.2	69.5	26	2	US-08-720-012-34	Sequence 34, Appl
C 270	13.4	70.5	438	3	US-09-615-192A-187	Sequence 187, App	C 343	13.2	69.5	99	3	US-09-513-999C-15480	Sequence 15480, A
C 271	13.4	70.5	446	3	US-09-902-540-1342	Sequence 1342, App	C 344	13.2	69.5	183	3	US-09-489-039A-5895	Sequence 5895, App
C 272	13.4	70.5	503	3	US-09-621-976-15705	Sequence 15705, A	C 345	13.2	69.5	249	3	US-09-513-999C-2530	Sequence 2530, App
C 273	13.4	70.5	588	3	US-09-252-991A-11997	Sequence 11997, A	C 346	13.2	69.5	321	3	US-09-513-999C-8601	Sequence 8601, App
C 274	13.4	70.5	601	3	US-09-949-016-56945	Sequence 56945, A	C 347	13.2	69.5	339	3	US-09-902-540-5119	Sequence 5119, App
C 275	13.4	70.5	601	3	US-09-949-016-56945	Sequence 56945, A	C 348	13.2	69.5	340	3	US-08-836-075A-73	Sequence 73, Appl
C 276	13.4	70.5	601	3	US-09-949-016-110720	Sequence 110720, A	C 349	13.2	69.5	366	3	US-09-711-164-282	Sequence 282, App
C 277	13.4	70.5	601	3	US-09-949-016-110881	Sequence 110881, A	C 350	13.2	69.5	414	3	US-09-252-991A-428	Sequence 428, App
C 278	13.4	70.5	601	3	US-09-949-016-11042	Sequence 11042, A	C 351	13.2	69.5	423	3	US-09-615-991A-12661	Sequence 12661, App
C 279	13.4	70.5	601	3	US-09-949-016-111203	Sequence 111203, A	C 352	13.2	69.5	426	3	US-09-252-991A-7324	Sequence 7324, App
C 280	13.4	70.5	606	3	US-09-489-039A-1642	Sequence 1642, App	C 353	13.2	69.5	437	3	US-09-385-982-444	Sequence 444, App
C 281	13.4	70.5	648	3	US-09-902-540-3939	Sequence 3939, App	C 354	13.2	69.5	504	3	US-09-252-991A-7291	Sequence 7291, App
C 282	13.4	70.5	632	3	US-09-914-098-15	Sequence 15, Appl	C 355	13.2	69.5	510	3	US-09-252-991A-3475	Sequence 3475, App
C 283	13.4	70.5	1359	3	US-09-252-991A-12056	Sequence 12056, A	C 356	13.2	69.5	512	3	US-09-621-976-1282	Sequence 1282, App
C 284	13.4	70.5	1545	3	US-09-489-039A-2857	Sequence 2857, App	C 357	13.2	69.5	519	3	US-09-452-991A-1194	Sequence 1194, App
C 285	13.4	70.5	1578	2	US-08-681-129-1	Sequence 1, Appl	C 358	13.2	69.5	537	3	US-09-489-039A-3823	Sequence 3823, App
C 286	13.4	70.5	1578	3	US-09-489-039A-2854	Sequence 2854, App	C 359	13.2	69.5	591	6	US-08-149-101A-4	Sequence 4, Appl
C 287	13.4	70.5	2115	3	US-09-914-098-41	Sequence 41, Appl	C 360	13.2	69.5	591	6	US-09-533-559-2955	Sequence 2955, App
C 288	13.4	70.5	2420	3	US-10-104-047-1825	Sequence 1825, App	C 361	13.2	69.5	596	3	US-09-949-016-128510	Sequence 128510, A
C 289	13.4	70.5	3113	3	US-09-894-998A-52	Sequence 52, Appl	C 362	13.2	69.5	601	3	US-09-949-016-134372	Sequence 134372, A
C 290	13.4	70.5	3113	3	US-10-237-551-52	Sequence 52, Appl	C 363	13.2	69.5	601	3	US-09-949-016-171833	Sequence 171833, A
C 291	13.4	70.5	3208	2	US-07-972-791-3	Sequence 3, Appl	C 364	13.2	69.5	606	3	US-09-270-767-434	Sequence 434, App
C 292	13.4	70.5	3208	2	US-07-972-791-7	Sequence 7, Appl	C 365	13.2	69.5	606	3	US-09-351-150A-54	Sequence 54, Appl
C 293	13.4	70.5	3345	2	US-07-972-791-7	Sequence 7, Appl	C 366	13.2	69.5	640	3	US-09-302-540-6519	Sequence 6519, App
C 294	13.4	70.5	3345	2	US-09-894-998A-49	Sequence 49, Appl	C 367	13.2	69.5	640	3	US-09-351-150A-54	Sequence 54, Appl
C 295	13.4	70.5	3345	3	US-10-237-551-49	Sequence 49, Appl	C 368	13.2	69.5	675	3	US-09-533-559-5080	Sequence 5080, App
C 296	13.4	70.5	3345	3	US-10-237-551-189	Sequence 189, App	C 369	13.2	69.5	687	3	US-09-353-559-6386	Sequence 6386, App
C 297	13.4	70.5	3346	2	US-07-972-791-4	Sequence 4, Appl	C 370	13.2	69.5	744	3	US-09-252-991A-13301	Sequence 13301, A
C 298	13.4	70.5	3346	2	US-07-972-791-5	Sequence 5, Appl	C 371	13.2	69.5	744	3	US-09-252-991A-13304	Sequence 13304, A
C 299	13.4	70.5	3346	2	US-07-972-791-6	Sequence 6, Appl	C 372	13.2	69.5	759	3	US-09-252-991A-13304	Sequence 13304, A
C 300	13.4	70.5	3346	2	US-07-972-791-7	Sequence 7, Appl	C 373	13.2	69.5	759	3	US-09-252-991A-13304	Sequence 13304, A
C 301	13.4	70.5	3347	2	US-07-972-791-2	Sequence 2, Appl	C 374	13.2	69.5	759	3	US-09-252-991A-13304	Sequence 13304, A
C 302	13.4	70.5	3347	2	US-07-972-791-2	Sequence 2, Appl	C 375	13.2	69.5	762	3	US-09-252-991A-13304	Sequence 13304, A
C 303	13.4	70.5	3347	2	US-07-972-791-8	Sequence 8, Appl	C 376	13.2	69.5	765	3	US-09-252-991A-13304	Sequence 13304, A
C 304	13.4	70.5	3347	2	US-07-972-791-8	Sequence 8, Appl	C 377	13.2	69.5	780	3	US-09-252-991A-13304	Sequence 13304, A
C 305	13.4	70.5	3350	3	US-09-894-998A-48	Sequence 48, Appl	C 378	13.2	69.5	783	3	US-09-252-991A-13304	Sequence 13304, A
C 306	13.4	70.5	3350	3	US-10-237-551-48	Sequence 48, Appl	C 379	13.2	69.5	786	3	US-09-252-991A-13304	Sequence 13304, A
C 307	13.4	70.5	3361	2	US-07-972-791-6	Sequence 6, Appl	C 380	13.2	69.5	786	3	US-09-252-991A-13304	Sequence 13304, A
C 308	13.4	70.5	3361	2	US-07-972-791-6	Sequence 6, Appl	C 381	13.2	69.5	816	3	US-09-252-991A-13304	Sequence 13304, A
C 309	13.4	70.5	3378	2	US-07-972-791-1	Sequence 1, Appl	C 382	13.2	69.5	837	3	US-09-252-991A-13304	Sequence 13304, A
C 310	13.4	70.5	3434	9	5310649-1	Sequence 1, Appl	C 383	13.2	69.5	840	3	US-08-860-370-9	Sequence 9, Appl
C 311	13.4	70.5	3434	9	5310649-1	Sequence 1, Appl	C 384	13.2	69.5	843	3	US-09-252-991A-13363	Sequence 13363, A
C 312	13.4	70.5	3554	2	US-08-460-309-1	Sequence 1, Appl	C 385	13.2	69.5	846	3	US-09-902-540-4104	Sequence 4104, App
C 313	13.4	70.5	3554	2	US-08-125-077-1	Sequence 1, Appl	C 386	13.2	69.5	876	3	US-09-252-991A-8431	Sequence 8431, App
C 314	13.4	70.5	3554	2	5444158-1	Sequence 1, Appl	C 387	13.2	69.5	882	2	US-08-622-354-4	Sequence 4, Appl
C 315	13.4	70.5	6373	3	US-09-902-540-9156	Sequence 9156, App	C 388	13.2	69.5	930	3	US-09-252-991A-11343	Sequence 11343, A
C 316	13.4	70.5	6779	3	US-09-843-250-13	Sequence 13, Appl	C 389	13.2	69.5	963	3	US-09-252-991A-1730	Sequence 1730, App

390	13.2	69.5	1002	3	US-09-252-991A-8415	Sequence 8415, Ap	463	13.2	69.5	2064	3	US-09-252-991A-9616	Sequence 9616, Ap
391	13.2	69.5	1008	3	US-09-902-540-5144	Sequence 5144, Ap	464	13.2	69.5	2088	3	US-09-023-655-340	Sequence 340, App
392	13.2	69.5	1065	3	US-09-252-991A-15437	Sequence 15437, A	465	13.2	69.5	2106	3	US-09-023-655-340	Sequence 11408, A
393	13.2	69.5	1068	3	US-09-949-016-3762	Sequence 3762, Ap	466	13.2	69.5	2124	9	5428012-1	Patent No. 5428012
394	13.2	69.5	1074	3	US-09-252-991A-8465	Sequence 8465, Ap	467	13.2	69.5	2144	9	5451506-1	Patent No. 5451506
395	13.2	69.5	1104	3	US-09-252-991A-1882	Sequence 1882, Ap	468	13.2	69.5	2138	3	US-08-837-199A-3	Sequence 3, Appli
396	13.2	69.5	1115	3	US-09-949-016-539	Sequence 539, App	469	13.2	69.5	2160	3	US-09-286-904-23	Sequence 23, Appli
397	13.2	69.5	1134	3	US-09-949-016-3997	Sequence 3997, Ap	470	13.2	69.5	2180	3	US-09-640-101-23	Sequence 23, Appli
398	13.2	69.5	1143	3	US-09-902-540-9062	Sequence 9062, Ap	471	13.2	69.5	2180	3	US-09-016-434-1140	Sequence 1140, Ap
399	13.2	69.5	1153	3	US-10-029-180-41	Sequence 41, Appli	472	13.2	69.5	2225	2	US-08-780-370A-1	Sequence 1, Appli
400	13.2	69.5	1164	3	US-08-993-088A-6	Sequence 6, Appli	473	13.2	69.5	2225	3	US-09-251-330-1	Sequence 1, Appli
401	13.2	69.5	1164	3	US-08-993-424B-6	Sequence 6, Appli	474	13.2	69.5	2378	3	US-08-802-8050-20	Sequence 20, Appli
402	13.2	69.5	1164	3	US-09-603-680-6	Sequence 6, Appli	475	13.2	69.5	2378	3	US-08-860-370-1	Sequence 1, Appli
403	13.2	69.5	1164	3	US-09-826-509-504	Sequence 504, App	476	13.2	69.5	2458	3	US-09-041-236-1	Sequence 1, Appli
404	13.2	69.5	1167	3	US-09-252-991A-10265	Sequence 10265, A	477	13.2	69.5	2458	3	US-09-771-467C-1	Sequence 1, Appli
405	13.2	69.5	1173	3	US-09-252-991A-10478	Sequence 10478, A	478	13.2	69.5	2567	2	US-08-918-206-2	Sequence 2, Appli
406	13.2	69.5	1193	3	US-09-489-039A-7006	Sequence 7006, Ap	479	13.2	69.5	2672	3	US-09-620-3120-654	Sequence 654, App
407	13.2	69.5	1206	3	US-09-902-540-8244	Sequence 8244, Ap	480	13.2	69.5	2754	3	US-09-770-767-14784	Sequence 14784, A
408	13.2	69.5	1209	3	US-10-272-490-8	Sequence 9, Appli	481	13.2	69.5	2754	3	US-09-252-991A-15111	Sequence 11478, Ap
409	13.2	69.5	1219	3	US-08-981-700A-3	Sequence 3, Appli	482	13.2	69.5	2789	3	US-09-352-991A-15111	Sequence 15111, A
410	13.2	69.5	1239	3	US-09-252-991A-11463	Sequence 11463, A	483	13.2	69.5	2833	3	US-09-949-016-4282	Sequence 4282, Ap
411	13.2	69.5	1239	3	US-10-029-180-83	Sequence 83, Appli	484	13.2	69.5	2833	2	US-08-927-394-1	Sequence 1163, Ap
412	13.2	69.5	1278	3	US-09-252-991A-615	Sequence 615, App	485	13.2	69.5	2897	3	US-09-016-434-1163	Sequence 733, App
413	13.2	69.5	1299	3	US-09-248-796A-2763	Sequence 2763, Ap	486	13.2	69.5	2897	3	US-09-949-016-733	Sequence 26, Appli
414	13.2	69.5	1305	3	US-09-949-016-468	Sequence 5468, Ap	487	13.2	69.5	2976	3	US-09-352-159-26	Sequence 26, Appli
415	13.2	69.5	1310	3	US-09-047-288-1	Sequence 1, Appli	488	13.2	69.5	2976	3	US-09-352-168-26	Sequence 26, Appli
416	13.2	69.5	1310	3	US-08-802-191-1	Sequence 1, Appli	489	13.2	69.5	2976	3	US-09-771-045B-26	Sequence 26, Appli
417	13.2	69.5	1329	3	US-09-902-540-7997	Sequence 7997, Ap	490	13.2	69.5	2976	3	US-09-770-564A-26	Sequence 26, Appli
418	13.2	69.5	1365	3	US-08-899-112B-27	Sequence 27, Appli	491	13.2	69.5	2976	3	US-09-658-835C-26	Sequence 26, Appli
419	13.2	69.5	1365	3	US-09-011-553-4	Sequence 4, Appli	492	13.2	69.5	3009	3	US-09-252-991A-11409	Sequence 11409, A
420	13.2	69.5	1392	3	US-09-252-991A-7440	Sequence 7430, Ap	493	13.2	69.5	3119	3	US-10-104-047-853	Sequence 853, App
421	13.2	69.5	1404	3	US-09-252-991A-636	Sequence 636, App	494	13.2	69.5	3122	3	US-09-252-991A-9569	Sequence 9569, App
422	13.2	69.5	1407	3	US-09-388-316C-20	Sequence 20, Appli	495	13.2	69.5	3266	3	US-09-211-417-2	Sequence 2, Appli
423	13.2	69.5	1452	3	US-09-252-991A-10589	Sequence 10589, A	496	13.2	69.5	3312	3	US-09-902-540-493	Sequence 493, App
424	13.2	69.5	1461	3	US-09-252-991A-15548	Sequence 15548, A	497	13.2	69.5	3330	3	US-08-993-088A-5	Sequence 5, Appli
425	13.2	69.5	1473	3	US-09-252-991A-9679	Sequence 9679, Ap	498	13.2	69.5	3330	3	US-08-993-424A-5	Sequence 5, Appli
426	13.2	69.5	1473	3	US-09-902-540-5760	Sequence 5760, Ap	499	13.2	69.5	3360	3	US-09-603-680-5	Sequence 5, Appli
427	13.2	69.5	1482	3	US-08-660-645A-6	Sequence 6, Appli	500	13.2	69.5	3436	3	US-09-421-017B-335	Sequence 335, App
428	13.2	69.5	1482	3	US-09-298-718-6	Sequence 6, Appli	501	13.2	69.5	3463	3	US-09-189-462-3	Sequence 3, Appli
429	13.2	69.5	1482	3	US-09-546-969-6	Sequence 6, Appli	502	13.2	69.5	3463	3	US-09-663-040-3	Sequence 3, Appli
430	13.2	69.5	1482	3	US-09-547-267-6	Sequence 6, Appli	503	13.2	69.5	3472	9	5244792-1	Patent No. 5244792
431	13.2	69.5	1500	3	US-09-881-165-1	Sequence 1, Appli	504	13.2	69.5	3540	3	US-09-252-991A-1324	Sequence 1324, Ap
432	13.2	69.5	1500	3	US-09-786-960-1	Sequence 1, Appli	505	13.2	69.5	3591	3	US-09-352-159-30	Sequence 30, Appli
433	13.2	69.5	1502	2	US-08-651-940-1	Sequence 1, Appli	506	13.2	69.5	3591	3	US-09-352-168-30	Sequence 30, Appli
434	13.2	69.5	1502	3	US-09-295-029-1	Sequence 1, Appli	507	13.2	69.5	3591	3	US-09-771-045B-30	Sequence 30, Appli
435	13.2	69.5	1502	3	US-09-724-768-1	Sequence 1, Appli	508	13.2	69.5	3591	3	US-09-770-564A-30	Sequence 30, Appli
436	13.2	69.5	1574	3	US-09-602-877A-78	Sequence 78, Appli	509	13.2	69.5	3591	3	US-09-658-835C-30	Sequence 30, Appli
437	13.2	69.5	1590	3	US-09-351-150A-2	Sequence 2, Appli	510	13.2	69.5	3616	3	US-09-187-906-1	Sequence 1, Appli
438	13.2	69.5	1610	3	US-09-976-584-162	Sequence 162, App	511	13.2	69.5	3616	3	US-09-489-407-1	Sequence 1, Appli
439	13.2	69.5	1620	3	US-09-252-991A-16490	Sequence 16490, A	512	13.2	69.5	3992	3	US-09-944-807-9	Sequence 9, Appli
440	13.2	69.5	1662	3	US-09-252-991A-1413	Sequence 1413, Ap	513	13.2	69.5	4074	3	US-09-252-991A-4737	Sequence 4737, Ap
441	13.2	69.5	1686	3	US-09-902-540-4057	Sequence 4057, Ap	514	13.2	69.5	4082	3	US-09-949-016-5338	Sequence 4771, Ap
442	13.2	69.5	1702	3	US-10-104-047-319	Sequence 919, App	515	13.2	69.5	4238	3	US-09-949-016-5338	Sequence 5338, Ap
443	13.2	69.5	1713	3	US-09-902-540-7494	Sequence 7494, Ap	516	13.2	69.5	4655	2	US-08-231-193A-57	Sequence 57, Appli
444	13.2	69.5	1747	3	US-09-566-921-66	Sequence 66, Appli	517	13.2	69.5	4655	2	US-08-486-273A-57	Sequence 57, Appli
445	13.2	69.5	1752	3	US-09-252-991A-11485	Sequence 11485, A	518	13.2	69.5	4655	3	US-08-940-086A-57	Sequence 57, Appli
446	13.2	69.5	1800	2	US-08-484-815-11	Sequence 11, Appli	519	13.2	69.5	4655	3	US-08-940-035A-57	Sequence 57, Appli
447	13.2	69.5	1800	3	US-08-888-949-11	Sequence 11, Appli	520	13.2	69.5	4655	3	US-08-935-105A-57	Sequence 57, Appli
448	13.2	69.5	1800	3	US-08-888-950-11	Sequence 11, Appli	521	13.2	69.5	4655	3	US-09-648-797-57	Sequence 57, Appli
449	13.2	69.5	1800	3	US-09-262-758-11	Sequence 11, Appli	522	13.2	69.5	4655	3	US-09-386-123-57	Sequence 57, Appli
450	13.2	69.5	1800	3	US-09-885-876-11	Sequence 11, Appli	523	13.2	69.5	4655	3	US-10-038-337-57	Sequence 57, Appli
451	13.2	69.5	1800	3	US-09-885-901-11	Sequence 11, Appli	524	13.2	69.5	4655	3	US-10-007-747-57	Sequence 57, Appli
452	13.2	69.5	1800	3	US-09-731-393-11	Sequence 11, Appli	525	13.2	69.5	4655	3	US-09-945-901-57	Sequence 57, Appli
453	13.2	69.5	1800	3	US-09-882-694B-14	Sequence 14, Appli	526	13.2	69.5	5051	3	US-09-922-540-628	Sequence 628, App
454	13.2	69.5	1800	6	PCT-US95-10284-11	Sequence 11, Appli	527	13.2	69.5	5971	3	US-09-373-272-26	Sequence 26, Appli
455	13.2	69.5	1811	3	US-09-902-540-375	Sequence 375, App	528	13.2	69.5	6360	3	US-09-171-699-9	Sequence 9, Appli
456	13.2	69.5	1818	3	US-09-902-540-7054	Sequence 7054, Ap	529	13.2	69.5	6638	3	US-09-902-540-852	Sequence 852, App
457	13.2	69.5	1827	3	US-09-252-991A-14646	Sequence 14646, A	530	13.2	69.5	6975	3	US-09-902-540-2386	Sequence 2386, App
458	13.2	69.5	1907	3	US-09-443-184-40	Sequence 40, Appli	531	13.2	69.5	7266	3	US-09-949-016-175A5	Sequence 17545, A
459	13.2	69.5	1932	3	US-09-252-991A-7271	Sequence 7271, Ap	532	13.2	69.5	7419	3	US-09-252-991A-481	Sequence 481, App
460	13.2	69.5	2001	3	US-09-689-012-1	Sequence 1, Appli	533	13.2	69.5	7447	3	US-09-949-016-165A0	Sequence 16540, A
461	13.2	69.5	2010	3	US-09-240-410-1	Sequence 1, Appli	534	13.2	69.5	7447	3	US-09-252-991A-396	Sequence 396, App
462	13.2	69.5	2019	3	US-09-252-991A-370	Sequence 370, App	535	13.2	69.5	7698	3	US-09-902-540-812	Sequence 812, App

536	13.2	69.5	7853	3	US-09-949-016-12034	Sequence 12034, A	609	13	68.4	13624	3	US-09-902-540-1053	Sequence 1053, Ap
537	13.2	69.5	7853	3	US-09-949-016-14225	Sequence 14225, A	c 610	13	68.4	18192	3	US-09-902-540-1162	Sequence 1162, Ap
538	13.2	69.5	7960	3	US-09-949-016-15600	Sequence 15600, A	c 611	13	68.4	41171	3	US-08-311-731A-122	Sequence 122, App
539	13.2	69.5	8011	3	US-09-949-016-17210	Sequence 17210, A	c 612	13	68.4	80161	3	US-09-036-987A-1	Sequence 1, Appl1
c 540	13.2	69.5	8625	3	US-08-980-832-1	Sequence 1, Appl1	613	13	68.4	80161	3	US-09-370-700-1	Sequence 1, Appl1
c 541	13.2	69.5	8625	3	US-09-920-923B-1	Sequence 14994, A	614	13	68.4	80161	3	US-09-603-207-1	Sequence 108, App
542	13.2	69.5	9311	3	US-09-949-016-15504	Sequence 15504, A	615	12.8	67.4	71	2	US-08-472-255A-108	Sequence 108, App
543	13.2	69.5	9311	3	US-09-949-016-14994	Sequence 14994, A	616	12.8	67.4	71	2	US-08-472-255B-108	Sequence 108, App
c 544	13.2	69.5	9386	3	US-09-949-016-15739	Sequence 15739, A	617	12.8	67.4	71	3	US-08-952-793-108	Sequence 108, App
c 545	13.2	69.5	9757	2	US-08-093-453B-1	Sequence 1, Appl1	618	12.8	67.4	71	3	US-08-952-793-108	Sequence 108, App
546	13.2	69.5	9759	2	US-08-459-041A-1	Sequence 1, Appl1	619	12.8	67.4	71	3	US-09-849-928-108	Sequence 108, App
547	13.2	69.5	9759	3	US-08-999-733-1	Sequence 1, Appl1	620	12.8	67.4	71	6	PCT-US96-09455A-108	Sequence 108, App
548	13.2	69.5	9759	3	US-10-271-311-1	Sequence 46, Appl	621	12.8	67.4	159	3	US-09-902-540-7353	Sequence 7353, Ap
549	13.2	69.5	9960	3	US-08-822-586-46	Sequence 27, Appl	622	12.8	67.4	180	3	US-09-621-976-15517	Sequence 15517, A
c 550	13.2	69.5	11233	3	US-08-980-832-27	Sequence 27, Appl	623	12.8	67.4	252	3	US-09-902-540-4575	Sequence 4575, Ap
c 551	13.2	69.5	11233	3	US-09-920-923B-27	Sequence 14075, A	624	12.8	67.4	288	3	US-09-952-991A-6571	Sequence 6571, Ap
c 552	13.2	69.5	12951	3	US-09-949-016-14075	Sequence 968, App	c 625	12.8	67.4	297	3	US-09-902-540-5286	Sequence 5286, Ap
553	13.2	69.5	13299	3	US-09-902-540-968	Sequence 1058, Ap	c 626	12.8	67.4	300	3	US-09-060-754-79	Sequence 79, Appl
c 554	13.2	69.5	14467	3	US-09-902-540-1058	Sequence 1185, Ap	c 627	12.8	67.4	300	3	US-09-670-314-79	Sequence 87, Appl
555	13.2	69.5	17247	3	US-09-902-540-1185	Sequence 1185, Ap	c 628	12.8	67.4	306	3	US-09-216-393B-87	Sequence 87, Appl
c 556	13.2	69.5	17315	3	US-09-902-540-1103	Sequence 1103, Ap	c 629	12.8	67.4	316	3	US-09-270-767-28192	Sequence 28192, A
c 557	13.2	69.5	17348	3	US-09-949-016-17403	Sequence 17403, A	630	12.8	67.4	323	3	US-08-825-559-8	Sequence 8, Appl1
558	13.2	69.5	17503	3	US-09-902-540-1114	Sequence 1114, Ap	631	12.8	67.4	323	3	US-10-052-005A-8	Sequence 8, Appl1
c 559	13.2	69.5	18302	3	US-09-949-016-13163	Sequence 13163, A	632	12.8	67.4	339	3	US-09-490-608B-112	Sequence 172, App
c 560	13.2	69.5	19237	3	US-09-949-016-13666	Sequence 13666, A	633	12.8	67.4	341	3	US-09-513-999C-28029	Sequence 28029, A
c 561	13.2	69.5	21511	3	US-09-902-540-1201	Sequence 1201, Ap	c 634	12.8	67.4	425	3	US-09-513-999C-2170	Sequence 2170, Ap
c 562	13.2	69.5	23738	3	US-09-902-540-1203	Sequence 1203, Ap	635	12.8	67.4	450	3	US-09-270-767-10953	Sequence 10953, A
563	13.2	69.5	24494	3	US-09-351-150A-1	Sequence 1, Appl1	c 636	12.8	67.4	486	3	US-09-902-540-4633	Sequence 4633, Ap
c 564	13.2	69.5	25621	3	US-09-902-540-1253	Sequence 1253, Ap	637	12.8	67.4	487	2	US-08-975-316-44	Sequence 44, Appl
565	13.2	69.5	26492	3	US-09-902-540-1234	Sequence 1234, Ap	638	12.8	67.4	487	3	US-09-615-192A-44	Sequence 44, Appl
566	13.2	69.5	28058	3	US-09-902-540-1252	Sequence 1252, Ap	639	12.8	67.4	487	3	US-09-169-789-44	Sequence 44, Appl
567	13.2	69.5	31797	3	US-09-949-016-17188	Sequence 17188, A	c 640	12.8	67.4	513	3	US-09-533-559-1506	Sequence 1506, Ap
568	13.2	69.5	34741	3	US-09-949-016-12475	Sequence 12475, A	c 641	12.8	67.4	516	3	US-09-902-540-7175	Sequence 7175, Ap
569	13.2	69.5	34745	3	US-09-949-016-16024	Sequence 16024, A	c 642	12.8	67.4	522	3	US-09-252-991A-3175	Sequence 3175, Ap
c 570	13.2	69.5	36181	3	US-08-311-731A-120	Sequence 120, App	c 643	12.8	67.4	540	3	US-09-949-016-37501	Sequence 37501, A
571	13.2	69.5	36895	3	US-09-949-016-13692	Sequence 13692, A	c 644	12.8	67.4	546	3	US-09-252-991A-5903	Sequence 5903, Ap
c 572	13.2	69.5	44439	3	US-09-949-016-17102	Sequence 17102, A	c 645	12.8	67.4	547	3	US-09-621-976-3417	Sequence 3417, Ap
c 573	13.2	69.5	49401	3	US-09-949-016-17080	Sequence 17080, A	c 646	12.8	67.4	558	3	US-09-252-991A-3604	Sequence 3604, Ap
c 574	13.2	69.5	52486	3	US-09-949-016-16118	Sequence 16118, A	c 647	12.8	67.4	558	3	US-09-252-991A-5885	Sequence 5885, Ap
c 575	13.2	69.5	52486	3	US-09-949-016-16119	Sequence 16119, A	648	12.8	67.4	597	3	US-09-902-540-3788	Sequence 3788, Ap
c 576	13.2	69.5	53496	3	US-10-042-665A-3	Sequence 3, Appl1	c 649	12.8	67.4	601	3	US-09-949-016-29658	Sequence 29658, A
577	13.2	69.5	54799	3	US-09-902-540-1272	Sequence 1272, Ap	c 650	12.8	67.4	601	3	US-09-949-016-29659	Sequence 29659, A
c 578	13.2	69.5	56737	3	US-09-782-378A-17	Sequence 17, Appl	c 651	12.8	67.4	601	3	US-09-949-016-37501	Sequence 37501, A
c 579	13.2	69.5	66065	3	US-09-949-016-13392	Sequence 13392, A	652	12.8	67.4	601	3	US-09-949-016-37501	Sequence 37501, A
580	13.2	69.5	77626	3	US-09-949-016-12608	Sequence 12608, A	c 653	12.8	67.4	601	3	US-09-949-016-37784	Sequence 37784, A
c 581	13.2	69.5	97423	3	US-09-949-016-12742	Sequence 12742, A	c 654	12.8	67.4	601	3	US-09-949-016-39457	Sequence 39457, A
582	13.2	69.5	97424	3	US-09-949-016-15576	Sequence 15576, A	c 655	12.8	67.4	601	3	US-09-949-016-39458	Sequence 39458, A
583	13.2	69.5	128516	3	US-09-949-016-13501	Sequence 13501, A	c 656	12.8	67.4	601	3	US-09-949-016-39458	Sequence 39458, A
584	13.2	69.5	133157	3	US-09-949-016-12541	Sequence 12541, A	c 657	12.8	67.4	601	3	US-09-949-016-44266	Sequence 44266, A
585	13.2	69.5	197496	3	US-09-877-177A-10	Sequence 10, Appl	c 658	12.8	67.4	601	3	US-09-949-016-88358	Sequence 88358, A
586	13.2	69.5	229354	3	US-09-705-400-64	Sequence 64, Appl	c 659	12.8	67.4	601	3	US-09-949-016-14202	Sequence 14202, A
587	13.2	69.5	232547	3	US-09-949-016-16603	Sequence 16603, A	c 660	12.8	67.4	601	3	US-09-949-016-14203	Sequence 14203, A
c 588	13.2	69.5	536165	3	US-09-214-808-1	Sequence 1, Appl1	c 661	12.8	67.4	601	3	US-09-949-016-168469	Sequence 168469, A
c 589	13.2	69.5	767677	3	US-09-949-016-12147	Sequence 12147, A	c 662	12.8	67.4	601	3	US-09-949-016-168470	Sequence 168470, A
c 590	13.2	69.5	767677	3	US-09-949-016-1761	Sequence 17361, A	c 663	12.8	67.4	601	3	US-09-949-016-168471	Sequence 168471, A
c 591	13.2	69.5	1230025	3	US-09-198-452A-1	Sequence 1, Appl1	c 664	12.8	67.4	601	3	US-09-949-016-168982	Sequence 168982, A
c 592	13.2	69.5	1230230	3	US-09-438-185A-1	Sequence 1, Appl1	665	12.8	67.4	601	3	US-09-949-016-195725	Sequence 195725, A
593	13.2	69.5	1830121	3	US-09-557-884-1	Sequence 1, Appl1	666	12.8	67.4	601	3	US-09-949-016-195730	Sequence 195730, A
594	13.2	69.5	1830121	3	US-09-643-990A-1	Sequence 1, Appl1	c 667	12.8	67.4	603	3	US-09-902-540-2300	Sequence 2300, Ap
595	13.2	69.5	1830121	3	US-10-158-865-1	Sequence 1, Appl1	c 668	12.8	67.4	603	3	US-09-902-540-9610	Sequence 9610, Ap
596	13.2	69.5	1830121	3	US-09-513-999C-22379	Sequence 22379, A	c 669	12.8	67.4	604	3	US-09-902-540-3286	Sequence 3286, Ap
597	13.2	69.5	1830121	3	US-09-252-991A-10630	Sequence 10630, A	c 670	12.8	67.4	610	3	US-09-612-473-39	Sequence 39, Appl
c 598	13.2	69.5	1830121	3	US-09-902-540-3414	Sequence 3414, Ap	c 671	12.8	67.4	610	3	US-09-533-559-6984	Sequence 6984, Ap
599	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 672	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 600	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 673	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 601	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 674	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 602	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 675	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 603	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 676	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 604	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 677	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 605	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 678	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 606	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 679	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 607	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 680	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap
c 608	13.2	69.5	1830121	3	US-09-270-767-6215	Sequence 6215, Ap	c 681	12.8	67.4	610	3	US-09-552-991A-5987	Sequence 5987, Ap

C 682	12.8	67.4	822	3	US-09-471-190-1	Sequence 1, Appl1	755	12.8	67.4	2907	3	US-09-252-991A-831	Sequence 831, App
C 683	12.8	67.4	822	3	US-09-903-176-19	Sequence 19, Appl	C 756	12.8	67.4	2936	3	US-09-453-702B-161	Sequence 161, App
C 684	12.8	67.4	828	3	US-09-489-039A-1480	Sequence 1480, Ap	C 757	12.8	67.4	2936	3	US-10-114-170-161	Sequence 161, App
C 685	12.8	67.4	829	3	US-09-663-600A-83	Sequence 83, Appl	C 758	12.8	67.4	2942	3	US-10-104-047-463	Sequence 463, App
C 686	12.8	67.4	840	3	US-09-252-991A-2027	Sequence 2027, Ap	C 759	12.8	67.4	3018	3	US-09-949-016-1097	Sequence 1097, Ap
C 687	12.8	67.4	852	3	US-09-252-991A-2774	Sequence 2774, Ap	C 760	12.8	67.4	3018	3	US-09-949-016-4749	Sequence 4749, Ap
C 688	12.8	67.4	864	3	US-09-252-991A-10095	Sequence 10095, A	C 761	12.8	67.4	3018	3	US-09-689-486-4	Sequence 4, Appl1
C 689	12.8	67.4	951	3	US-09-489-039A-4774	Sequence 4774, Ap	C 762	12.8	67.4	3077	3	US-09-680-175-1	Sequence 1, Appl1
C 690	12.8	67.4	963	3	US-09-902-540-1066	Sequence 7066, Ap	C 763	12.8	67.4	3102	3	US-09-252-991A-4429	Sequence 4429, Ap
C 691	12.8	67.4	972	3	US-09-489-039A-6162	Sequence 6162, Ap	C 764	12.8	67.4	3209	3	US-09-270-767-13797	Sequence 13797, A
C 692	12.8	67.4	1023	2	US-08-252-966B-16	Sequence 16, Appl	C 765	12.8	67.4	3343	3	US-09-902-540-515	Sequence 515, App
C 693	12.8	67.4	1023	3	US-09-489-039A-4723	Sequence 4723, Ap	C 766	12.8	67.4	3404	2	US-08-265-429A-1	Sequence 1, Appl1
C 694	12.8	67.4	1027	3	US-09-270-767-12427	Sequence 12427, A	C 767	12.8	67.4	3404	6	PCT-US95-09065-1	Sequence 1, Appl1
C 695	12.8	67.4	1055	3	US-09-252-991A-1930	Sequence 1930, Ap	C 768	12.8	67.4	3503	3	US-09-373-272-2	Sequence 2, Appl1
C 696	12.8	67.4	1052	3	US-09-252-991A-10155	Sequence 10155, A	C 769	12.8	67.4	3678	3	US-09-221-017B-115	Sequence 115, App
C 697	12.8	67.4	1092	3	US-09-902-540-3303	Sequence 3303, Ap	C 770	12.8	67.4	3835	3	US-09-270-767-10943	Sequence 10943, A
C 698	12.8	67.4	1127	3	US-09-799-451-1415	Sequence 415, App	C 771	12.8	67.4	3926	3	US-09-913-301-1	Sequence 1, Appl1
C 699	12.8	67.4	1147	3	US-09-902-540-4335	Sequence 4335, Ap	C 772	12.8	67.4	3926	3	US-09-913-301-3	Sequence 3, Appl1
C 700	12.8	67.4	1224	3	US-09-252-991A-13010	Sequence 13010, A	C 773	12.8	67.4	3945	3	US-09-602-777A-359	Sequence 359, App
C 701	12.8	67.4	1259	2	US-08-265-429A-4	Sequence 4, Appl1	C 774	12.8	67.4	3945	3	US-09-602-777A-359	Sequence 359, App
C 702	12.8	67.4	1259	3	US-09-902-540-9469	Sequence 9469, Ap	C 775	12.8	67.4	3974	3	US-09-774-528-403	Sequence 403, App
C 703	12.8	67.4	1259	6	PCT-US95-09069-4	Sequence 4, Appl1	C 776	12.8	67.4	3974	3	US-10-120-988-403	Sequence 403, App
C 704	12.8	67.4	1270	3	US-09-323-998E-29	Sequence 29, Appl	C 777	12.8	67.4	4259	3	US-09-902-540-630	Sequence 630, App
C 705	12.8	67.4	1275	3	US-09-489-039A-566	Sequence 566, App	C 778	12.8	67.4	4408	3	US-09-902-540-744	Sequence 744, App
C 706	12.8	67.4	1276	3	US-09-270-767-13810	Sequence 13810, A	C 779	12.8	67.4	4871	3	US-09-799-451-448	Sequence 448, App
C 707	12.8	67.4	1293	3	US-09-252-991A-12462	Sequence 12462, A	C 780	12.8	67.4	5092	3	US-09-902-540-663	Sequence 663, App
C 708	12.8	67.4	1302	3	US-09-252-991A-7809	Sequence 7809, Ap	C 781	12.8	67.4	5262	3	US-09-902-540-766	Sequence 766, App
C 709	12.8	67.4	1308	3	US-09-902-540-7733	Sequence 7733, Ap	C 782	12.8	67.4	5414	3	US-08-628-829-13	Sequence 13, Appl
C 710	12.8	67.4	1311	3	US-09-252-991A-3649	Sequence 3649, Ap	C 783	12.8	67.4	5467	3	US-09-902-540-1293	Sequence 703, App
C 711	12.8	67.4	1323	3	US-09-902-540-2671	Sequence 2671, Ap	C 784	12.8	67.4	5522	3	US-09-949-016-1209	Sequence 1259, App
C 712	12.8	67.4	1329	3	US-09-252-991A-6714	Sequence 6714, Ap	C 785	12.8	67.4	5523	3	US-09-949-016-1014	Sequence 1014, Ap
C 713	12.8	67.4	1359	3	US-09-489-039A-529	Sequence 529, App	C 786	12.8	67.4	5611	3	US-09-902-540-767	Sequence 767, App
C 714	12.8	67.4	1401	3	US-09-949-016-3833	Sequence 3833, Ap	C 787	12.8	67.4	5911	3	US-09-902-540-761	Sequence 761, App
C 715	12.8	67.4	1407	3	US-09-252-991A-15866	Sequence 15866, A	C 788	12.8	67.4	6798	3	US-09-949-016-4016	Sequence 4016, Ap
C 716	12.8	67.4	1414	3	US-09-270-767-9846	Sequence 9846, Ap	C 789	12.8	67.4	6972	3	US-09-595-684A-38	Sequence 38, Appl
C 717	12.8	67.4	1433	3	US-09-663-600A-49	Sequence 49, Appl	C 790	12.8	67.4	8309	3	US-09-620-312D-1083	Sequence 603, App
C 718	12.8	67.4	1479	3	US-09-252-991A-4180	Sequence 4180, Ap	C 791	12.8	67.4	9113	3	US-09-949-016-14224	Sequence 14224, A
C 719	12.8	67.4	1488	3	US-09-489-039A-4760	Sequence 4760, Ap	C 792	12.8	67.4	9274	3	US-09-811-115-4	Sequence 4, Appl1
C 720	12.8	67.4	1494	3	US-09-949-016-7711	Sequence 7711, Ap	C 793	12.8	67.4	9825	3	US-09-949-016-15117	Sequence 15117, A
C 721	12.8	67.4	1518	3	US-09-967-552A-37	Sequence 37, Appl	C 794	12.8	67.4	12194	3	US-09-902-540-1091	Sequence 1091, Ap
C 722	12.8	67.4	1575	3	US-09-252-991A-3100	Sequence 3100, Ap	C 795	12.8	67.4	13534	3	US-09-902-540-1078	Sequence 1078, App
C 723	12.8	67.4	1575	3	US-09-902-540-4955	Sequence 4955, Ap	C 796	12.8	67.4	14342	3	US-09-902-540-1118	Sequence 1118, App
C 724	12.8	67.4	1605	3	US-08-840-713-38	Sequence 38, Appl	C 797	12.8	67.4	14809	3	US-09-902-540-1032	Sequence 1032, Ap
C 725	12.8	67.4	1614	3	US-09-409-778-2	Sequence 2, Appl1	C 798	12.8	67.4	17085	3	US-09-949-016-16507	Sequence 16507, A
C 726	12.8	67.4	1629	3	US-09-902-540-5602	Sequence 5602, Ap	C 799	12.8	67.4	17154	3	US-09-949-016-16889	Sequence 16889, A
C 727	12.8	67.4	1644	3	US-09-252-991A-792	Sequence 792, App	C 800	12.8	67.4	17622	3	US-09-949-016-1195	Sequence 1125, Ap
C 728	12.8	67.4	1688	3	US-09-791-165-3	Sequence 3, Appl1	C 801	12.8	67.4	17639	3	US-09-902-540-1153	Sequence 1153, App
C 729	12.8	67.4	1700	3	US-09-514-521-2	Sequence 2, Appl1	C 802	12.8	67.4	17727	3	US-09-902-540-1152	Sequence 1152, Ap
C 730	12.8	67.4	1700	3	US-09-791-165-1	Sequence 1, Appl1	C 803	12.8	67.4	18187	3	US-09-949-016-12597	Sequence 12597, A
C 731	12.8	67.4	1731	3	US-09-252-991A-15928	Sequence 15928, A	C 804	12.8	67.4	18187	3	US-09-949-016-12505	Sequence 12505, A
C 732	12.8	67.4	1764	3	US-09-013-881-13	Sequence 13, Appl	C 805	12.8	67.4	19979	3	US-09-949-016-12309	Sequence 12309, A
C 733	12.8	67.4	1764	3	US-09-612-473-13	Sequence 13, Appl	C 806	12.8	67.4	19980	3	US-09-949-016-13533	Sequence 13533, A
C 734	12.8	67.4	1847	3	US-09-149-476-887	Sequence 287, App	C 807	12.8	67.4	20187	3	US-09-902-540-1186	Sequence 1186, Ap
C 735	12.8	67.4	1862	3	US-08-840-713-36	Sequence 36, Appl	C 808	12.8	67.4	20757	3	US-09-902-540-1186	Sequence 1189, Ap
C 736	12.8	67.4	1899	3	US-09-902-540-3847	Sequence 3847, Ap	C 809	12.8	67.4	24656	3	US-09-949-016-15875	Sequence 15875, A
C 737	12.8	67.4	1919	3	US-08-840-713-34	Sequence 34, Appl	C 810	12.8	67.4	24905	3	US-09-902-540-1225	Sequence 1225, Ap
C 738	12.8	67.4	1932	3	US-10-115-002-1	Sequence 1, Appl1	C 811	12.8	67.4	25733	3	US-09-902-540-1215	Sequence 1215, Ap
C 739	12.8	67.4	1947	3	US-09-252-991A-7533	Sequence 7533, Ap	C 812	12.8	67.4	27219	3	US-09-902-540-1244	Sequence 1244, Ap
C 740	12.8	67.4	1956	3	US-09-252-991A-3189	Sequence 3189, Ap	C 813	12.8	67.4	29103	3	US-09-902-540-1236	Sequence 1236, App
C 741	12.8	67.4	1965	3	US-09-902-540-4792	Sequence 4792, Ap	C 814	12.8	67.4	30783	3	US-09-902-540-1258	Sequence 1258, Ap
C 742	12.8	67.4	1986	3	US-09-680-175-2	Sequence 2, Appl1	C 815	12.8	67.4	33152	3	US-09-949-016-16719	Sequence 16719, A
C 743	12.8	67.4	2008	3	US-10-104-047-1353	Sequence 1353, Ap	C 816	12.8	67.4	34276	3	US-09-949-016-12263	Sequence 12263, A
C 744	12.8	67.4	2127	3	US-09-489-039A-4813	Sequence 4813, Ap	C 817	12.8	67.4	34276	3	US-09-949-016-16103	Sequence 16103, A
C 745	12.8	67.4	2247	3	US-09-902-540-6649	Sequence 6649, Ap	C 818	12.8	67.4	35544	3	US-09-949-016-16103	Sequence 16103, A
C 746	12.8	67.4	2376	3	US-09-252-991A-6646	Sequence 6646, Ap	C 819	12.8	67.4	35881	3	US-08-323-137-1	Sequence 1, Appl1
C 747	12.8	67.4	2390	3	US-10-104-047-892	Sequence 892, App	C 820	12.8	67.4	36600	3	US-09-952-060-31	Sequence 127, Appl
C 748	12.8	67.4	2502	3	US-09-252-991A-15767	Sequence 15767, A	C 821	12.8	67.4	37474	3	US-09-952-060-29	Sequence 31, Appl
C 749	12.8	67.4	2502	3	US-09-902-540-7704	Sequence 7704, Ap	C 822	12.8	67.4	38519	3	US-09-952-060-26	Sequence 26, Appl
C 750	12.8	67.4	2559	3	US-09-657-013-90	Sequence 40, Appl	C 823	12.8	67.4	40493	3	US-09-949-016-1553	Sequence 29, Appl
C 751	12.8	67.4	2559	3	US-09-949-016-1791	Sequence 1791, Ap	C 824	12.8	67.4	41937	3	US-09-902-540-1268	Sequence 1545, A
C 752	12.8	67.4	2567	3	US-09-949-016-567	Sequence 567, App	C 825	12.8	67.4	43414	3	US-09-949-016-12839	Sequence 12839, A
C 753	12.8	67.4	2736	3	US-09-235-451-3	Sequence 3, Appl1	C 826	12.8	67.4	43415	3	US-09-949-016-16491	Sequence 16491, A
C 754	12.8	67.4	2736	3	US-09-978-303-3	Sequence 3, Appl1	C 827	12.8	67.4	43543	3	US-09-778-961-3	Sequence 3, Appl1

C 828	12.8	67.4	43804	3	US-09-171-461-1	Sequence 1, Appl1	C 901	12.6	66.3	193	3	US-09-270-767-24116	Sequence 24116, A
C 829	12.8	67.4	43804	2	US-09-970-711-1	Sequence 1, Appl1	C 902	12.6	66.3	222	3	US-09-267-177-11	Sequence 11, Appl1
C 830	12.8	67.4	49272	2	US-08-614-770A-1	Sequence 1, Appl1	C 903	12.6	66.3	253	3	US-09-621-976-13667	Sequence 13667, A
C 831	12.8	67.4	50341	2	US-08-247-901C-1	Sequence 1, Appl1	C 904	12.6	66.3	260	3	US-08-998-416-653	Sequence 653, App
C 832	12.8	67.4	50341	2	US-09-075-904-1	Sequence 1, Appl1	C 905	12.6	66.3	264	3	US-09-252-991A-6312	Sequence 6312, App
C 833	12.8	67.4	50453	3	US-09-949-016-16642	Sequence 16642, A	C 906	12.6	66.3	273	3	US-09-252-991A-3439	Sequence 3439, App
C 834	12.8	67.4	51242	3	US-09-949-016-12486	Sequence 12486, A	C 907	12.6	66.3	275	3	US-09-313-294A-384	Sequence 384, App
C 835	12.8	67.4	52297	3	US-09-426-436-1	Sequence 1, Appl1	C 908	12.6	66.3	291	3	US-09-902-540-6575	Sequence 6575, App
C 836	12.8	67.4	52297	3	US-08-705-557-1	Sequence 1, Appl1	C 909	12.6	66.3	293	3	US-09-313-294A-4949	Sequence 4949, App
C 837	12.8	67.4	59123	3	US-09-949-016-12177	Sequence 12177, A	C 910	12.6	66.3	297	3	US-09-252-991A-4082	Sequence 4082, App
C 838	12.8	67.4	67745	3	US-09-949-016-17251	Sequence 17251, A	C 911	12.6	66.3	309	3	US-09-513-999C-1232	Sequence 1232, App
C 839	12.8	67.4	71387	3	US-09-949-016-16754	Sequence 16754, A	C 912	12.6	66.3	323	3	US-09-513-999C-9116	Sequence 9116, App
C 840	12.8	67.4	71989	3	US-09-443-501A-2	Sequence 2, Appl1	C 913	12.6	66.3	339	3	US-09-621-976-44	Sequence 44, Appl1
C 841	12.8	67.4	71989	3	US-09-724-889A-2	Sequence 2, Appl1	C 914	12.6	66.3	345	3	US-09-513-999C-1968	Sequence 1968, App
C 842	12.8	67.4	71989	3	US-09-724-876-2	Sequence 2, Appl1	C 915	12.6	66.3	354	3	US-09-252-991A-7022	Sequence 7022, App
C 843	12.8	67.4	86414	3	US-09-949-016-12345	Sequence 12345, A	C 916	12.6	66.3	369	3	US-09-252-991A-8141	Sequence 8141, App
C 844	12.8	67.4	86414	3	US-09-949-016-15758	Sequence 15758, A	C 917	12.6	66.3	369	3	US-09-489-033A-4443	Sequence 4443, App
C 845	12.8	67.4	91831	3	US-09-949-016-13694	Sequence 13694, A	C 918	12.6	66.3	372	3	US-09-252-991A-8266	Sequence 8266, App
C 846	12.8	67.4	103377	3	US-09-949-016-14089	Sequence 14089, A	C 919	12.6	66.3	372	3	US-09-621-976-1386	Sequence 1386, App
C 847	12.8	67.4	110402	3	US-09-949-016-17295	Sequence 17295, A	C 920	12.6	66.3	384	3	US-09-902-540-2963	Sequence 2963, App
C 848	12.8	67.4	110403	3	US-09-949-016-12741	Sequence 12741, A	C 921	12.6	66.3	390	3	US-09-902-540-3179	Sequence 3179, App
C 849	12.8	67.4	121970	3	US-09-949-016-17216	Sequence 17216, A	C 922	12.6	66.3	390	3	US-09-902-540-4418	Sequence 4418, App
C 850	12.8	67.4	136264	3	US-09-949-016-12756	Sequence 12756, A	C 923	12.6	66.3	392	3	US-10-002-623-602	Sequence 602, App
C 851	12.8	67.4	136265	3	US-09-949-016-13001	Sequence 13001, A	C 924	12.6	66.3	396	3	US-09-252-991A-6090	Sequence 6090, App
C 852	12.8	67.4	150597	3	US-09-949-016-15379	Sequence 15379, A	C 925	12.6	66.3	399	3	US-09-252-991A-750	Sequence 750, App
C 853	12.8	67.4	152524	3	US-09-949-016-12683	Sequence 12683, A	C 926	12.6	66.3	408	3	US-09-513-999C-2137	Sequence 2137, App
C 854	12.8	67.4	152524	3	US-09-949-016-13194	Sequence 13194, A	C 927	12.6	66.3	408	3	US-09-902-540-4477	Sequence 4477, App
C 855	12.8	67.4	160532	3	US-09-593-828-11	Sequence 11, Appl1	C 928	12.6	66.3	411	3	US-09-252-991A-325	Sequence 325, App
C 856	12.8	67.4	188636	3	US-09-949-002-661	Sequence 661, App	C 929	12.6	66.3	411	3	US-09-902-540-5178	Sequence 5178, App
C 857	12.8	67.4	524032	3	US-09-949-016-16928	Sequence 16928, A	C 930	12.6	66.3	423	3	US-09-489-033A-5670	Sequence 5670, App
C 858	12.8	67.4	524032	3	US-09-949-016-16929	Sequence 16929, A	C 931	12.6	66.3	428	3	US-09-861-893-57	Sequence 57, Appl1
C 859	12.8	67.4	524032	3	US-09-949-016-16930	Sequence 16930, A	C 932	12.6	66.3	430	3	US-09-513-999C-11525	Sequence 11525, A
C 860	12.8	67.4	524032	3	US-09-949-016-16931	Sequence 16931, A	C 933	12.6	66.3	441	3	US-09-513-999C-11218	Sequence 11218, A
C 861	12.8	67.4	529885	3	US-09-949-016-14340	Sequence 14340, A	C 934	12.6	66.3	449	3	US-09-640-211A-1510	Sequence 1510, App
C 862	12.8	67.4	529885	3	US-09-949-016-14341	Sequence 14341, A	C 935	12.6	66.3	451	2	US-08-387-942C-31	Sequence 31, Appl1
C 863	12.8	67.4	529885	3	US-09-949-016-14342	Sequence 14342, A	C 936	12.6	66.3	462	3	US-09-252-991A-9628	Sequence 9628, App
C 864	12.8	67.4	529885	3	US-09-949-016-14343	Sequence 14343, A	C 937	12.6	66.3	465	3	US-09-252-991A-13215	Sequence 13215, A
C 865	12.8	67.4	529885	3	US-09-949-016-14344	Sequence 14344, A	C 938	12.6	66.3	472	3	US-09-252-991A-9670	Sequence 9670, App
C 866	12.8	67.4	529885	3	US-09-949-016-14345	Sequence 14345, A	C 939	12.6	66.3	472	3	US-09-621-976-1670	Sequence 1670, App
C 867	12.8	67.4	529885	3	US-09-949-016-14346	Sequence 14346, A	C 940	12.6	66.3	472	3	US-09-513-999C-1969	Sequence 1969, App
C 868	12.8	67.4	529885	3	US-09-949-016-14347	Sequence 14347, A	C 941	12.6	66.3	474	3	US-09-902-540-5272	Sequence 5272, App
C 869	12.8	67.4	670689	3	US-09-949-016-12505	Sequence 12505, A	C 942	12.6	66.3	474	3	US-09-902-540-7581	Sequence 7581, App
C 870	12.8	67.4	670689	3	US-09-949-016-14207	Sequence 14207, A	C 943	12.6	66.3	480	3	US-09-410-515B-68	Sequence 68, Appl1
C 871	12.8	67.4	1830121	3	US-09-557-884-11	Sequence 1, Appl1	C 944	12.6	66.3	480	3	US-09-940-316B-68	Sequence 68, Appl1
C 872	12.8	67.4	1830121	3	US-09-643-990A-1	Sequence 1, Appl1	C 945	12.6	66.3	480	3	US-09-914-098-17	Sequence 17, Appl1
C 873	12.8	67.4	1830121	3	US-10-158-865-11	Sequence 1, Appl1	C 946	12.6	66.3	482	3	US-09-857-896A-33	Sequence 33, Appl1
C 874	12.6	66.3	25	3	US-09-396-196C-98994	Sequence 9894, A	C 947	12.6	66.3	483	3	US-09-828-995B-48	Sequence 48, Appl1
C 875	12.6	66.3	34	3	US-09-646-925-16	Sequence 16, Appl1	C 948	12.6	66.3	483	3	US-09-854-133-621	Sequence 621, App
C 876	12.6	66.3	36	3	US-10-223-978-11	Sequence 11, Appl1	C 949	12.6	66.3	489	3	US-09-222-575-117	Sequence 117, App
C 877	12.6	66.3	51	3	US-09-443-199C-453	Sequence 453, App	C 950	12.6	66.3	489	3	US-09-389-681-117	Sequence 117, App
C 878	12.6	66.3	63	3	US-09-877-243A-122	Sequence 122, App	C 951	12.6	66.3	489	3	US-09-339-338-117	Sequence 117, App
C 879	12.6	66.3	63	3	US-09-877-705A-122	Sequence 122, App	C 952	12.6	66.3	489	3	US-09-620-405B-117	Sequence 117, App
C 880	12.6	66.3	63	3	US-09-877-738C-122	Sequence 122, App	C 953	12.6	66.3	489	3	US-09-433-826B-117	Sequence 117, App
C 881	12.6	66.3	68	3	US-09-193-612B-10	Sequence 10, Appl1	C 954	12.6	66.3	489	3	US-09-604-287A-117	Sequence 117, App
C 882	12.6	66.3	68	3	US-09-579-784C-10	Sequence 10, Appl1	C 955	12.6	66.3	489	3	US-09-285-480-117	Sequence 117, App
C 883	12.6	66.3	72	3	US-09-193-612B-12	Sequence 12, Appl1	C 956	12.6	66.3	489	3	US-09-834-759-117	Sequence 117, App
C 884	12.6	66.3	72	3	US-09-579-784C-12	Sequence 12, Appl1	C 957	12.6	66.3	489	3	US-09-590-751A-117	Sequence 117, App
C 885	12.6	66.3	114	3	US-09-513-999C-34389	Sequence 34389, A	C 958	12.6	66.3	489	3	US-09-551-621-117	Sequence 117, App
C 886	12.6	66.3	121	3	US-09-818-875-3396	Sequence 3396, App	C 959	12.6	66.3	489	3	US-09-640-211A-1416	Sequence 1416, App
C 887	12.6	66.3	121	3	US-09-818-875-3397	Sequence 3397, App	C 960	12.6	66.3	489	3	US-09-551-621A-117	Sequence 117, App
C 888	12.6	66.3	121	3	US-09-818-875-3400	Sequence 3400, App	C 961	12.6	66.3	489	3	US-10-076-622-117	Sequence 117, App
C 889	12.6	66.3	121	3	US-09-818-875-3401	Sequence 3401, App	C 962	12.6	66.3	496	3	US-09-370-838-49	Sequence 49, Appl1
C 890	12.6	66.3	121	3	US-09-818-875-3404	Sequence 3404, App	C 963	12.6	66.3	496	3	US-09-854-133-49	Sequence 49, Appl1
C 891	12.6	66.3	121	3	US-09-818-875-3405	Sequence 3405, App	C 964	12.6	66.3	498	3	US-09-821-976-2465	Sequence 2465, App
C 892	12.6	66.3	138	3	US-09-513-999C-8538	Sequence 8538, App	C 965	12.6	66.3	504	3	US-09-902-540-7514	Sequence 7514, App
C 893	12.6	66.3	143	3	US-09-536-977-3	Sequence 3, Appl1	C 966	12.6	66.3	506	3	US-09-252-991A-4144	Sequence 4144, App
C 894	12.6	66.3	161	2	US-08-337-268A-47	Sequence 47, Appl1	C 967	12.6	66.3	528	3	US-09-536-977-41	Sequence 41, Appl1
C 895	12.6	66.3	161	2	US-08-484-570A-47	Sequence 47, Appl1	C 968	12.6	66.3	528	3	US-09-252-991A-13361	Sequence 13361, A
C 896	12.6	66.3	165	3	US-09-270-767-26643	Sequence 26643, A	C 969	12.6	66.3	529	3	US-09-159-106-14	Sequence 14, Appl1
C 897	12.6	66.3	173	3	US-09-513-999C-14005	Sequence 14005, A	C 970	12.6	66.3	539	3	US-09-640-211A-1337	Sequence 1237, App
C 898	12.6	66.3	173	3	US-09-513-999C-21492	Sequence 21492, A	C 971	12.6	66.3	540	3	US-09-252-991A-14915	Sequence 14915, A
C 899	12.6	66.3	174	3	US-09-902-540-7170	Sequence 7170, App	C 972	12.6	66.3	543	4	US-09-605-703B-515	Sequence 515, App
C 900	12.6	66.3	193	3	US-09-270-767-8834	Sequence 8834, App	C 973	12.6	66.3	543	4	US-09-605-703B-517	Sequence 517, App


```

c 974 12.6 66.3 546 3 US-09-252-991A-11071 Sequence 11071, A
c 975 12.6 66.3 552 3 US-09-252-991A-926 Sequence 926, App
c 976 12.6 66.3 552 3 US-09-252-991A-6172 Sequence 6172, Ap
c 977 12.6 66.3 568 3 US-09-270-767-1363 Sequence 1363, Ap
c 978 12.6 66.3 568 3 US-09-270-767-16645 Sequence 16645, A
c 979 12.6 66.3 570 3 US-09-902-540-8012 Sequence 8012, Ap
c 980 12.6 66.3 573 3 US-09-902-540-3639 Sequence 3639, Ap
c 981 12.6 66.3 583 3 US-09-799-451-876 Sequence 876, App
c 982 12.6 66.3 588 3 US-09-252-991A-12743 Sequence 12743, A
c 983 12.6 66.3 601 3 US-09-949-016-18490 Sequence 18490, A
c 984 12.6 66.3 601 3 US-09-949-016-24883 Sequence 24883, A
c 985 12.6 66.3 601 3 US-09-949-016-26561 Sequence 26561, A
c 986 12.6 66.3 601 3 US-09-949-016-28372 Sequence 28372, A
c 987 12.6 66.3 601 3 US-09-949-016-47224 Sequence 47224, A
c 988 12.6 66.3 601 3 US-09-949-016-48092 Sequence 48092, A
c 989 12.6 66.3 601 3 US-09-949-016-48093 Sequence 48093, A
c 990 12.6 66.3 601 3 US-09-949-016-53715 Sequence 53715, A
c 991 12.6 66.3 601 3 US-09-949-016-53716 Sequence 53716, A
c 992 12.6 66.3 601 3 US-09-949-016-53717 Sequence 53717, A
c 993 12.6 66.3 601 3 US-09-949-016-53718 Sequence 53718, A
c 994 12.6 66.3 601 3 US-09-949-016-53719 Sequence 53719, A
c 995 12.6 66.3 601 3 US-09-949-016-53720 Sequence 53720, A
c 996 12.6 66.3 601 3 US-09-949-016-62885 Sequence 62885, A
c 997 12.6 66.3 601 3 US-09-949-016-132862 Sequence 132862, A
c 998 12.6 66.3 601 3 US-09-949-016-153496 Sequence 153496, A
c 999 12.6 66.3 601 3 US-09-949-016-166503 Sequence 166503, A
c 1000 12.6 66.3 601 3 US-09-949-016-168625 Sequence 168625, A
```

ALIGNMENTS

```

RESULT 1
US-09-712-363-27
; Sequence 27, Application US/09712363
; Patent No. 6892139
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rotstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206,
; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/134,092
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 1233
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; US-09-712-363-27

Query Match 100.0%; Score 19; DB 3; Length 1233;
Best Local Similarity 100.0%; Pred. No. 4.4;
```

```

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCGGAGAGCCGGAAGTGC 19
Db 1174 GCGGAGAGCCGGAAGTGC 1192
```

```

RESULT 2
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 100.0%; Score 19; DB 3; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 GCGGAGAGCCGGAAGTGC 19
Db 581904 GCGGAGAGCCGGAAGTGC 581922

RESULT 3
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 100.0%; Score 19; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```


RESULT 4

```
US-09-934-289A-11
; Sequence 11, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-11
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      84 GCGCGAGAGCCCGAAGCTGC 102
```

RESULT 5

```
US-09-934-289A-27
; Sequence 27, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 27
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-27
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      84 GCGCGAGAGCCCGAAGCTGC 102
```

RESULT 6

```
US-09-934-289A-39
; Sequence 39, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-39
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      84 GCGCGAGAGCCCGAAGCTGC 102
```

RESULT 7

```
US-09-934-289A-53
; Sequence 53, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CP1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(126)
US-09-934-289A-53
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 126;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      84 GCGCGAGAGCCCGAAGCTGC 102
```

RESULT 8

```
US-09-640-211A-1466/c
; Sequence 1466, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; TITLE OF INVENTION: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1466
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
US-09-640-211A-1466
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 371;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
      |||||
Db      68 GCGCGAGAGCTGTATCTGC 50
```

```
RESULT 9
US-09-934-289A-31
; Sequence 31, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPC1N1 (M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(558)
US-09-934-289A-31
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 558;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
      |||||
Db      315 GCGCGAGAGCCCGAAGCTGC 333
```

```
RESULT 10
US-09-146-950-3
; Sequence 3, Application US/09146950A
; Patent No. 6287808
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE HERPESVIRUS-ENTRY-MEDIATOR-RELATED
```

```
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 09404/057001
; CURRENT APPLICATION NUMBER: US/09/146,950A
; CURRENT FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-146-950-3
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 579;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
      |||||
Db      315 GCGCGAGAGCCCGAAGCTGC 333
```

```
RESULT 11
US-09-934-289A-3
; Sequence 3, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPC1N1 (M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(579)
US-09-934-289A-3
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 579;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
      |||||
Db      315 GCGCGAGAGCCCGAAGCTGC 333
```

```
RESULT 12
US-09-146-950-19
; Sequence 19, Application US/09146950A
; Patent No. 6287808
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 09404/057001
; CURRENT APPLICATION NUMBER: US/09/146,950A
; CURRENT FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 19
; LENGTH: 591
; TYPE: DNA
```

ORGANISM: Homo sapiens
US-09-146-950-19

Query Match 83.2%; Score 15.8; DB 3; Length 591;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 315 GCGCGGAGCCCGAAGTGC 333

RESULT 13
US-09-934-289A-19
Sequence 19, Application US/09934289A
Patent No. 6852837

GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: MB1098-061C1CNI (M)
CURRENT FILING DATE: 2001-08-21
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 19
LENGTH: 591
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(591)
US-09-934-289A-19

Query Match 83.2%; Score 15.8; DB 3; Length 591;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 315 GCGCGGAGCCCGAAGTGC 333

RESULT 14
US-09-949-016-71225/c
Sequence 71225, Application US/09949016
Patent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 71225
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-71225

Query Match 83.2%; Score 15.8; DB 3; Length 601;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 234 GCGCGGAGCCCGAAGTGC 216

RESULT 15
US-09-934-289A-43
Sequence 43, Application US/09934289A
Patent No. 6852837

GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: MB1098-061C1CNI (M)
CURRENT APPLICATION NUMBER: US/09/934,289A
CURRENT FILING DATE: 2001-08-21
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 831
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(831)
US-09-934-289A-43

Query Match 83.2%; Score 15.8; DB 3; Length 831;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 315 GCGCGGAGCCCGAAGTGC 333

RESULT 16
US-09-252-991A-14592/c
Sequence 14592, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14592
LENGTH: 1008
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14592

Query Match 83.2%; Score 15.8; DB 3; Length 1008;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||

```
Db          765 GCGCGAGAGCCCGCACTCC 747

RESULT 17
US-09-146-950-17
; Sequence 17, Application US/09146950A
; Patent No. 6287808
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: 09404/057001
; CURRENT APPLICATION NUMBER: US/09/146,950A
; CURRENT FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-146-950-17

Query Match          83.2%; Score 15.8; DB 3; Length 1596;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
Db          421 GCGCGAGAGCCCGCAACTGC 439

RESULT 18
US-09-934-289A-17
; Sequence 17, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: MB1098-061CP1CN1 (M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (107)...(697)
US-09-934-289A-17

Query Match          83.2%; Score 15.8; DB 3; Length 1596;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
Db          421 GCGCGAGAGCCCGCAACTGC 439

RESULT 19
US-09-949-016-2100
; Sequence 2100, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

Db          765 GCGCGAGAGCCCGCACTCC 747

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2100
; LENGTH: 1707
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2100

Query Match          83.2%; Score 15.8; DB 3; Length 1707;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
Db          614 GCGCGAGAGCCCGCAACTGC 632

RESULT 20
US-08-509-024-1
; Sequence 1, Application US/08509024B
; Patent No. 6291207
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/08/509,024B
; CURRENT FILING DATE: 1995-07-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1724
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-509-024-1

Query Match          83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1 GCGCGAGAGCCCGCAACTGC 19
Db          608 GCGCGAGAGCCCGCAACTGC 626

RESULT 21
US-09-333-279-1
; Sequence 1, Application US/09333279
; Patent No. 6303336
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; TITLE OF INVENTION: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/09/333,279
; CURRENT FILING DATE: 1999-06-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1724
; TYPE: DNA
; ORGANISM: Homo sapiens
```

US-09-333-279-1

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 608 GCGCGAGAGCCCGAAGCTGC 626

RESULT 22

US-09-631-780-1
; Sequence 1, Application US/09631780
; Patent No. 6573058
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; APPLICANT: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/09/631,780
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US/08/509,024B
; PRIOR FILING DATE: 1995-07-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1724
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-631-780-1

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 608 GCGCGAGAGCCCGAAGCTGC 626

RESULT 23

US-09-934-289A-14
; Sequence 14, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US/09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14
; LENGTH: 1724
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (294)...(1142)
US-09-934-289A-14

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19

Db 608 GCGCGAGAGCCCGAAGCTGC 626

RESULT 24
US-09-934-289A-41
; Sequence 41, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 41
; LENGTH: 1834
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (103)...(933)
US-09-934-289A-41

Query Match 83.2%; Score 15.8; DB 3; Length 1834;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 417 GCGCGAGAGCCCGAAGCTGC 435

RESULT 25

US-09-417-704-2/c
; Sequence 2, Application US/09417704
; Patent No. 6444874
; GENERAL INFORMATION:
; APPLICANT: Duvick, John
; APPLICANT: Gilliam, Jacob
; TITLE OF INVENTION: A Hydroperoxide Lyase Gene from Maize and Methods of
; TITLE OF INVENTION: Use
; FILE REFERENCE: Maize hydroperoxide lyase (HPL)
; CURRENT APPLICATION NUMBER: US/09/417,704
; PRIOR FILING DATE: 1999-10-13
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1835
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)...(115)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1025)...(1027)
; OTHER INFORMATION: I-helix
; NAME/KEY: misc_binding
; LOCATION: (1457)...(1459)
; OTHER INFORMATION: Heme-binding site
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: (1625)...(1835)
US-09-417-704-2

Query Match 83.2%; Score 15.8; DB 3; Length 1835;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 1231 GCGCGAGAGCCCGAAGTGC 1213

RESULT 26
US-09-146-950-1
; Sequence 1, Application US/09146950A
; Patent No. 6287808
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: 09404/057001
; CURRENT APPLICATION NUMBER: US/09/146,950A
; CURRENT FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1929
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (297)...(875)
US-09-146-950-1

Query Match 83.2%; Score 15.8; DB 3; Length 1929;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 611 GCGCGAGAGCCCGAAGTGC 629

RESULT 27
US-09-934-289A-1
; Sequence 1, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; FILE REFERENCE: MB1098-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1929
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (297)...(875)
US-09-934-289A-1

Query Match 83.2%; Score 15.8; DB 3; Length 1929;
Best Local Similarity 89.5%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19

DB 611 GCGCGAGAGCCCGAAGTGC 629

RESULT 28
US-09-934-289A-29
; Sequence 29, Application US/09934289A
; Patent No. 6852837
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPC1N1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 2313
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (85)...(642)
US-09-934-289A-29

Query Match 83.2%; Score 15.8; DB 3; Length 2313;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 399 GCGCGAGAGCCCGAAGTGC 417

RESULT 29
US-08-509-024-6
; Sequence 6, Application US/08509024B
; Patent No. 6291207
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; TITLE OF INVENTION: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/08/509,024B
; CURRENT FILING DATE: 1995-07-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 4622
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-509-024-6

Query Match 83.2%; Score 15.8; DB 3; Length 4622;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
DB 378 GCGCGAGAGCCCGAAGTGC 396

RESULT 30
US-09-333-279-6
; Sequence 6, Application US/09333279
; Patent No. 6303336
; GENERAL INFORMATION:

```
; APPLICANT: SPEAR, Patricia G.
; APPLICANT: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/09/333,279
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 4622
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-333-279-6

Query Match      83.2%; Score 15.8; DB 3; Length 4622;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      378 GCGCGAGAGCCCGAAGCTGC 396

RESULT 31
US-09-631-780-6
; Sequence 6, Application US/09631780
; Patent No. 6573058
; GENERAL INFORMATION:
; APPLICANT: SPEAR, Patricia G.
; APPLICANT: MONTGOMERY, Rebecca I.
; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN
; FILE REFERENCE: 0290-1
; CURRENT APPLICATION NUMBER: US/09/631,780
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US/08/509,024B
; PRIOR FILING DATE: 1995-07-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 4622
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-631-780-6

Query Match      83.2%; Score 15.8; DB 3; Length 4622;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      378 GCGCGAGAGCCCGAAGCTGC 396

RESULT 32
US-09-949-016-13842
; Sequence 13842, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13842
```

```
; LENGTH: 11465
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13842

Query Match      83.2%; Score 15.8; DB 3; Length 11465;
Best Local Similarity 89.5%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      5468 GCGCGAGAGCCCGAAGCTGC 5486

RESULT 33
US-09-949-016-11941/C
; Sequence 11941, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11941
; LENGTH: 81433
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-11941

Query Match      83.2%; Score 15.8; DB 3; Length 81433;
Best Local Similarity 89.5%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAGCTGC 19
Db      1540 GCGCGAGAGCCCGAAGCTGC 1522

RESULT 34
US-09-949-016-17374/C
; Sequence 17374, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17374
; LENGTH: 84227
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-17374
```

Query Match 83.2%; Score 15.8; DB 3; Length 84227;
Best Local Similarity 89.5%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
|||||
Db 1861 GCGCGAGAGCCCGAAGTGC 1843

RESULT 35
US-09-252-991A-4027/c
; Sequence 4027, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 4027
; LENGTH: 759
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-4027

Query Match 81.1%; Score 15.4; DB 3; Length 759;
Best Local Similarity 94.1%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 17
|||||
Db 192 GCGCGAGAGCCCGAAGTGC 176

RESULT 36
US-09-252-991A-3990/c
; Sequence 3990, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3990
; LENGTH: 1674
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; NAME/KEY: unsure
; LOCATION: (1504), (1674)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3990

Query Match 81.1%; Score 15.4; DB 3; Length 1674;
Best Local Similarity 94.1%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 17
|||||
Db 172 GCGCGAGAGCCCGAAGTGC 156

RESULT 37
US-09-902-540-2317/c
; Sequence 2317, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 2317
; LENGTH: 1029
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-2317

Query Match 77.9%; Score 14.8; DB 3; Length 1029;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGGAGAGCCCGAAGTGC 19
|||||
Db 709 CGAGAGAGCCCGAAGTGC 692

RESULT 38
US-09-902-540-7746/c
; Sequence 7746, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 7746
; LENGTH: 1773
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-7746

Query Match 77.9%; Score 14.8; DB 3; Length 1773;
Best Local Similarity 88.9%; Pred. No. 5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGGAGAGCCCGAAGTGC 19
|||||
Db 257 CCGGAGAGCCCGAAGTGC 240

RESULT 39
US-09-722-971-13/c
; Sequence 13, Application US/09722971
; Patent No. 6599408
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Butler, Karla
; APPLICANT: Fang, Yixen
; APPLICANT: Helentjaris, Tim

APPLICANT: Macool, Dan
TITLE OF INVENTION: Regulator of Sugar and Hormone Responses
FILE REFERENCE: B61409 US NA
CURRENT APPLICATION NUMBER: US/09/722,971
CURRENT FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/169969
PRIOR FILING DATE: 1999-12-09
NUMBER OF SEQ ID NOS: 21
SOFTWARE: Microsoft Office 97
SEQ ID NO: 13
LENGTH: 1865
TYPE: DNA
ORGANISM: Oryza sativa
US-09-722-971-13

Query Match 77.9%; Score 14.8; DB 3; Length 1865;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGCCCGACTG 18
DB 1205 GCGCCATAGCCCGACTG 1188

RESULT 40
US-09-902-540-617
Sequence 617, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO: 617
LENGTH: 4348
TYPE: DNA
ORGANISM: Myxococcus xanthus
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(4348)
OTHER INFORMATION: unsure at all n locations
US-09-902-540-617

Query Match 77.9%; Score 14.8; DB 3; Length 4348;
Best Local Similarity 88.9%; Pred. No. 5.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGAGAGCCCGACTGC 19
DB 457 CGAGAGCCCGCTACTGC 474

RESULT 41
US-09-902-540-768/C
Sequence 768, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883

PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO: 768
LENGTH: 4854
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-768

Query Match 77.9%; Score 14.8; DB 3; Length 4854;
Best Local Similarity 88.9%; Pred. No. 5.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CCGAGAGCCCGACTGC 19
DB 258 CCGAGAGCCCGAGACGC 241

RESULT 42
US-09-949-016-11852
Sequence 11852, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 11852
LENGTH: 321022
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)..(321022)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11852

Query Match 77.9%; Score 14.8; DB 3; Length 321022;
Best Local Similarity 88.9%; Pred. No. 5.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGCCCGACTG 18
DB 1180 GCGCGAGCCCGAGCTG 1197

RESULT 43
US-09-949-016-14166
Sequence 14166, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012

```
SOFTWARE: FaSTSeq for Windows Version 4.0
; SEQ ID NO 1416
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(321022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14166

Query Match      77.9%; Score 14.8; DB 3; Length 321022;
Best Local Similarity 88.9%; Pred. No. 5.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCGCACTG 18
Db      1180 GCGCGAGAGCCGCACTG 1197

RESULT 44
US-09-252-991A-1615
; Sequence 1615, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1615
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1615

Query Match      75.8%; Score 14.4; DB 3; Length 432;
Best Local Similarity 93.8%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCGCACTG 16
Db      360 GCGCGAGAGCCGCACTG 375

RESULT 45
US-09-602-787A-297/c
; Sequence 297, Application US/09602787A
; Patent No. 6696561
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Mark
; APPLICANT: Krüger, Burkhard
; APPLICANT: Schöder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haderbauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-125CD
; CURRENT APPLICATION NUMBER: US/09/602.787A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: USN 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931454.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931478.0
; PRIOR FILING DATE: 1999-07-08
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; PRIOR APPLICATION NUMBER: DE 19931563.9
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932122.1
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932124.8
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932180.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932182.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932190.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932191.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932209.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932212.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932227.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932228.7
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932229.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 1993230.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932927.3
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933005.0
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933006.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19940764.9
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940765.7
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940766.5
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940830.0
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940831.9
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940832.7
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19940833.5
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19941378.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941395.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19942077.7
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: DE 19942078.5
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: DE 19942079.3
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: DE 19942088.2
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 678
; SEQ ID NO 297
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (101)..(766)
; OTHER INFORMATION: RXN00410
```

US-09-602-787A-297

Query Match 75.8%; Score 14.4; DB 3; Length 789;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGAGAGCCCGAACTGC 19
DB 143 CGAGAGCCCGAACTTC 128

RESULT 46

US-09-602-787A-299/c
Sequence 299, Application US/09602787A
Patent No. 6696561

GENERAL INFORMATION:

APPLICANT: Pompejus, Mark

APPLICANT: Krüger, Burkhard

APPLICANT: Schöder, Hartwig

APPLICANT: Zelder, Oskar

APPLICANT: Haberhauer, Gregor

TITLE OF INVENTION: CORNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE

TITLE OF INVENTION: TRANSPORT

FILE REFERENCE: BGI-125CP

CURRENT APPLICATION NUMBER: US/09/602,787A

CURRENT FILING DATE: 2000-06-23

PRIOR APPLICATION NUMBER: USN 60/141031

PRIOR FILING DATE: 1999-06-25

PRIOR APPLICATION NUMBER: DE 19931454.3

PRIOR FILING DATE: 1999-07-08

PRIOR APPLICATION NUMBER: DE 19931478.0

PRIOR FILING DATE: 1999-07-08

PRIOR APPLICATION NUMBER: DE 19931563.9

PRIOR FILING DATE: 1999-07-08

PRIOR APPLICATION NUMBER: DE 19932122.1

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932124.8

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932125.6

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932128.0

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932180.9

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932182.5

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932190.6

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932209.0

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932212.0

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932227.9

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932228.7

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932229.5

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932230.9

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: DE 19932927.3

PRIOR FILING DATE: 1999-07-14

PRIOR APPLICATION NUMBER: DE 19933005.0

PRIOR FILING DATE: 1999-07-14

PRIOR APPLICATION NUMBER: DE 19933006.9

PRIOR FILING DATE: 1999-07-14

PRIOR APPLICATION NUMBER: DE 19940764.9

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940765.7

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940766.5

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940830.0

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940831.9

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940832.7

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19940833.5

PRIOR FILING DATE: 1999-08-27

PRIOR APPLICATION NUMBER: DE 19941378.9

PRIOR FILING DATE: 1999-08-31

PRIOR APPLICATION NUMBER: DE 19941379.7

PRIOR FILING DATE: 1999-08-31

PRIOR APPLICATION NUMBER: DE 19941395.9

PRIOR FILING DATE: 1999-08-31

PRIOR APPLICATION NUMBER: DE 19942077.7

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: DE 19942078.5

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: DE 19942079.3

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: DE 19942088.2

PRIOR FILING DATE: 1999-09-03

NUMBER OF SEQ ID NOS: 678

SEQ ID NO 299

LENGTH: 789

TYPE: DNA

ORGANISM: Corynebacterium glutamicum

FEATURE:

NAME/KEY: CDS (766)

LOCATION: (101) (766)

OTHER INFORMATION: FRXA00410

US-09-602-787A-299

Query Match 75.8%; Score 14.4; DB 3; Length 789;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGAGAGCCCGAACTGC 19
DB 143 CGAGAGCCCGAACTTC 128

RESULT 47

US-09-252-991A-10271

Sequence 10271, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 10271

LENGTH: 801

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-10271

Query Match 75.8%; Score 14.4; DB 3; Length 801;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAC 16
DB 363 GCGCGAGAGCCCGAAC 378

```
RESULT 48
US-09-252-991A-10483
; Sequence 10483, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10483
; LENGTH: 921
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10483
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Query Match          75.8%; Score 14.4; DB 3; Length 921;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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OY      1 GCGCGAGAGCCCGAAC 16
        |||||
Db       580 GCGCGAGAGCCCGAAC 595
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```
RESULT 49
US-10-237-551-88/c
; Sequence 88, Application US/10237551
; Patent No. 6821519
; GENERAL INFORMATION:
; APPLICANT: Day, Craig H.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Parsons, Joseph M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.538C3
; CURRENT APPLICATION NUMBER: US/10/237,551
; CURRENT FILING DATE: 2002-09-06
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 88
; LENGTH: 939
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-237-551-88
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```
Query Match          75.8%; Score 14.4; DB 3; Length 939;
Best Local Similarity 93.8%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
OY      1 GCGCGAGAGCCCGAAC 16
        |||||
Db       732 GCGCGAGAGCCCGAAC 717
```

```
RESULT 50
US-09-252-991A-1552/c
; Sequence 1552, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
```

```
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1552
; LENGTH: 1272
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1552
```

```
Query Match          75.8%; Score 14.4; DB 3; Length 1272;
Best Local Similarity 93.8%; Pred. No. 7.8e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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OY      1 GCGCGAGAGCCCGAAC 16
        |||||
Db       652 GCGCGAGAGCCCGAAC 637
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Job time : 121.153 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:19:50 ; Search time 462.119 Seconds
(without alignments)
339.995 Million cell updates/sec

Title: US-10-086-206a-4

Perfect score: 19

Sequence: 1 gcgcgagagccgcgaactgc 19

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 413468905 residues 19587084

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database : Published Applications NA Main:*

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3: /cgn2_6/prodata/1/pubpna/us09A_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	19	100.0	19	US-10-086-206-4	Sequence 4, Appl1
2	19	100.0	1230	US-10-282-122a-26407	Sequence 26407, A
3	19	100.0	1233	US-09-712-963-27	Sequence 27, Appl1
4	19	100.0	1233	US-10-282-122a-28204	Sequence 28204, A
5	19	100.0	86114	US-10-080-170-648	Sequence 648, App
6	19	100.0	86114	US-10-080-170-648	Sequence 648, App
7	19	100.0	86114	US-10-080-170-648	Sequence 648, App
8	17.4	91.6	612	US-10-282-122a-13734	Sequence 13734, A
9	17.4	91.6	1437	US-10-369-493-31424	Sequence 31424, A
10	15.8	83.2	126	US-09-934-289a-11	Sequence 11, Appl1
11	15.8	83.2	126	US-09-934-289a-27	Sequence 27, Appl1
12	15.8	83.2	126	US-09-934-289a-39	Sequence 39, Appl1
13	15.8	83.2	126	US-09-934-289a-53	Sequence 53, Appl1
14	15.8	83.2	126	US-10-932-991-11	Sequence 11, Appl1
15	15.8	83.2	126	US-10-932-991-27	Sequence 27, Appl1
16	15.8	83.2	126	US-10-932-991-39	Sequence 39, Appl1
17	15.8	83.2	126	US-10-932-991-53	Sequence 53, Appl1
18	15.8	83.2	308	US-10-425-115-59071	Sequence 59071, A
19	15.8	83.2	371	US-10-856-499-1466	Sequence 1466, Ap
20	15.8	83.2	528	US-10-156-761-5377	Sequence 5377, Ap
21	15.8	83.2	528	US-09-934-289a-31	Sequence 31, Appl1
22	15.8	83.2	558	US-10-932-991-31	Sequence 31, Appl1
23	15.8	83.2	579	US-09-934-289a-3	Sequence 3, Appl1

24	15.8	83.2	579	US-10-932-991-3	Sequence 3, Appl1
25	15.8	83.2	591	US-09-934-289a-19	Sequence 19, Appl1
26	15.8	83.2	591	US-10-932-991-19	Sequence 19, Appl1
27	15.8	83.2	672	US-10-156-761-6873	Sequence 6873, Ap
28	15.8	83.2	831	US-09-934-289a-43	Sequence 43, Appl1
29	15.8	83.2	831	US-10-932-991-43	Sequence 43, Appl1
30	15.8	83.2	840	US-10-363-345a-15745	Sequence 15745, A
31	15.8	83.2	840	US-10-363-345a-15746	Sequence 15746, A
32	15.8	83.2	840	US-10-363-345a-15745	Sequence 15745, A
33	15.8	83.2	840	US-10-363-345a-15746	Sequence 15746, A
34	15.8	83.2	841	US-10-363-345a-31339	Sequence 31339, A
35	15.8	83.2	841	US-10-363-345a-31340	Sequence 31340, A
36	15.8	83.2	841	US-10-363-345a-31340	Sequence 31340, A
37	15.8	83.2	841	US-10-363-345a-31340	Sequence 31340, A
38	15.8	83.2	852	US-10-775-204-38	Sequence 38, Appl1
39	15.8	83.2	852	US-10-775-204-38	Sequence 38, Appl1
40	15.8	83.2	852	US-10-775-204-38	Sequence 38, Appl1
41	15.8	83.2	969	US-11-097-143-1464	Sequence 116, App
42	15.8	83.2	969	US-11-097-143-1464	Sequence 116, App
43	15.8	83.2	1029	US-10-282-122a-11581	Sequence 11581, A
44	15.8	83.2	1029	US-10-282-122a-11581	Sequence 11581, A
45	15.8	83.2	1055	US-10-437-963-61381	Sequence 61381, A
46	15.8	83.2	1055	US-10-437-963-61381	Sequence 61381, A
47	15.8	83.2	1081	US-10-425-114-2535	Sequence 2535, Ap
48	15.8	83.2	1081	US-10-425-114-2535	Sequence 2535, Ap
49	15.8	83.2	1476	US-10-437-963-5859	Sequence 5859, Ap
50	15.8	83.2	1476	US-10-437-963-5859	Sequence 5859, Ap
51	15.8	83.2	1558	US-10-322-281-545	Sequence 545, App
52	15.8	83.2	1558	US-10-322-281-545	Sequence 545, App
53	15.8	83.2	1596	US-09-934-289a-17	Sequence 17, Appl1
54	15.8	83.2	1596	US-09-934-289a-17	Sequence 17, Appl1
55	15.8	83.2	1704	US-10-020-787-1	Sequence 1, Appl1
56	15.8	83.2	1704	US-10-020-787-1	Sequence 1, Appl1
57	15.8	83.2	1724	US-10-939-359-1	Sequence 1, Appl1
58	15.8	83.2	1724	US-10-939-359-1	Sequence 1, Appl1
59	15.8	83.2	1724	US-09-934-289a-14	Sequence 14, Appl1
60	15.8	83.2	1724	US-09-934-289a-14	Sequence 14, Appl1
61	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
62	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
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85	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
86	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
87	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
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93	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
94	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
95	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1
96	15.8	83.2	1724	US-10-614-853-11	Sequence 11, Appl1

C 97	15	78.9	52101	6	US-10-132-134-1	Sequence 1, Appl1	170	14.4	75.8	1575	6	US-10-369-493-35831	Sequence 35831, A
C 98	14.8	77.9	201	8	US-10-719-993-17289	Sequence 17289, A	C 171	14.4	75.8	1765	6	US-10-237-551-225	Sequence 225, App
C 99	14.8	77.9	217	8	US-10-723-860-2176	Sequence 2176, Ap	C 172	14.4	75.8	1765	9	US-10-945-050-225	Sequence 225, App
C 100	14.8	77.9	339	8	US-10-425-115-48543	Sequence 48543, A	C 173	14.4	75.8	2091	5	US-10-121-988-78	Sequence 78, Appl1
C 101	14.8	77.9	413	3	US-09-960-352-5114	Sequence 5114, Ap	C 174	14.4	75.8	2091	6	US-10-200-562-78	Sequence 78, Appl1
C 102	14.8	77.9	466	8	US-10-723-860-2189	Sequence 2189, Ap	C 175	14.4	75.8	2091	6	US-10-237-551-78	Sequence 78, Appl1
C 103	14.8	77.9	460	4	US-09-925-065A-750704	Sequence 750704, A	C 176	14.4	75.8	2091	6	US-10-237-551-78	Sequence 78, Appl1
C 104	14.8	77.9	466	4	US-09-925-065A-757698	Sequence 757698, A	C 177	14.4	75.8	2091	6	US-10-237-551-78	Sequence 78, Appl1
C 105	14.8	77.9	466	4	US-09-925-065A-757699	Sequence 757699, A	C 178	14.4	75.8	2091	9	US-10-945-050-226	Sequence 226, App
C 106	14.8	77.9	477	8	US-10-425-115-96424	Sequence 96424, A	C 179	14.4	75.8	2118	5	US-10-121-988-87	Sequence 87, Appl1
C 107	14.8	77.9	581	3	US-09-799-777-132	Sequence 132, App	C 180	14.4	75.8	2118	6	US-10-200-562-87	Sequence 87, Appl1
C 108	14.8	77.9	585	6	US-10-369-493-32179	Sequence 32179, A	C 181	14.4	75.8	2118	6	US-10-237-551-87	Sequence 87, Appl1
C 109	14.8	77.9	799	7	US-10-437-963-71850	Sequence 71850, A	C 182	14.4	75.8	2118	9	US-10-945-050-87	Sequence 87, Appl1
C 110	14.8	77.9	810	7	US-10-282-122A-25813	Sequence 25813, A	C 183	14.4	75.8	2211	5	US-10-121-988-86	Sequence 86, Appl1
C 111	14.8	77.9	822	8	US-10-723-860-6432	Sequence 6432, Ap	C 184	14.4	75.8	2211	6	US-10-200-562-86	Sequence 86, Appl1
C 112	14.8	77.9	863	8	US-10-425-115-84882	Sequence 78882, A	C 185	14.4	75.8	2211	6	US-10-237-551-86	Sequence 86, Appl1
C 113	14.8	77.9	913	8	US-10-425-115-84880	Sequence 84880, A	C 186	14.4	75.8	2211	9	US-10-945-050-86	Sequence 86, Appl1
C 114	14.8	77.9	925	7	US-10-437-963-48839	Sequence 48839, A	C 187	14.4	75.8	3742	7	US-10-337-963-8005	Sequence 8005, Ap
C 115	14.8	77.9	939	6	US-10-181-319-22	Sequence 22, Appl1	C 188	14.4	75.8	36462	7	US-10-739-096-1	Sequence 1, Appl1
C 116	14.8	77.9	972	7	US-10-282-122A-35759	Sequence 35759, A	C 189	14.4	75.8	36462	9	US-10-494-364-1	Sequence 1, Appl1
C 117	14.8	77.9	1006	7	US-10-437-963-51619	Sequence 51619, A	C 190	14.4	75.8	36535	7	US-10-739-096-9	Sequence 9, Appl1
C 118	14.8	77.9	1062	6	US-10-369-493-31936	Sequence 31936, A	C 191	14.4	75.8	36535	9	US-10-494-364-9	Sequence 9, Appl1
C 119	14.8	77.9	1182	6	US-10-156-761-7134	Sequence 7134, Ap	C 192	14.4	75.8	36604	7	US-10-739-096-5	Sequence 5, Appl1
C 120	14.8	77.9	1330	7	US-10-767-701-13517	Sequence 13517, A	C 193	14.4	75.8	36604	9	US-10-494-364-5	Sequence 5, Appl1
C 121	14.8	77.9	1352	7	US-10-437-963-100233	Sequence 100233, A	C 194	14.4	75.8	154746	9	US-09-827-688-8	Sequence 8, Appl1
C 122	14.8	77.9	1400	6	US-10-369-493-45351	Sequence 45351, A	C 195	14.4	75.8	3309400	3	US-09-738-626-1	Sequence 1, Appl1
C 123	14.8	77.9	1509	6	US-10-156-761-6427	Sequence 6427, Ap	C 196	14.2	74.7	25	7	US-10-719-956-14415	Sequence 14415, A
C 124	14.8	77.9	1605	7	US-10-260-238-220	Sequence 220, App	C 197	14.2	74.7	25	8	US-10-719-900-298255	Sequence 298255, A
C 125	14.8	77.9	1792	10	US-11-097-143-7544	Sequence 7544, Ap	C 198	14.2	74.7	25	10	US-11-036-311-263272	Sequence 263272, A
C 126	14.8	77.9	1902	7	US-10-437-963-71851	Sequence 71851, A	C 199	14.2	74.7	25	10	US-11-036-311-312022	Sequence 312022, A
C 127	14.8	77.9	2838	6	US-10-156-761-6936	Sequence 6936, Ap	C 200	14.2	74.7	25	10	US-11-036-311-342057	Sequence 342057, A
C 128	14.8	77.9	2857	9	US-10-450-763-25513	Sequence 25513, A	C 201	14.2	74.7	25	10	US-11-036-311-376403	Sequence 376403, A
C 129	14.8	77.9	3318	9	US-10-450-763-25251	Sequence 25251, A	C 202	14.2	74.7	68	3	US-09-473-872-51	Sequence 51, Appl1
C 130	14.8	77.9	3318	9	US-10-450-763-25514	Sequence 25514, A	C 203	14.2	74.7	183	7	US-10-437-963-43520	Sequence 43520, A
C 131	14.8	77.9	4544	10	US-11-097-143-18271	Sequence 18271, A	C 204	14.2	74.7	225	7	US-10-282-122A-11639	Sequence 11639, A
C 132	14.8	77.9	4781	3	US-09-764-869-1580	Sequence 1580, Ap	C 205	14.2	74.7	225	3	US-09-880-505-86	Sequence 86, Appl1
C 133	14.8	77.9	4781	3	US-09-764-869-1581	Sequence 1581, Ap	C 206	14.2	74.7	228	5	US-10-051-643-86	Sequence 86, Appl1
C 134	14.8	77.9	4781	5	US-10-091-504-1580	Sequence 1580, Ap	C 207	14.2	74.7	245	8	US-10-425-115-151214	Sequence 151214, A
C 135	14.8	77.9	4781	5	US-10-091-504-1581	Sequence 1581, Ap	C 208	14.2	74.7	260	7	US-10-424-599-125624	Sequence 125624, A
C 136	14.8	77.9	4781	6	US-10-227-577-1580	Sequence 1580, Ap	C 209	14.2	74.7	269	8	US-10-282-122A-12028	Sequence 12028, A
C 137	14.8	77.9	4781	6	US-10-227-577-1581	Sequence 1581, Ap	C 210	14.2	74.7	269	8	US-10-425-115-35325	Sequence 35325, A
C 138	14.8	77.9	10718	10	US-11-097-143-18289	Sequence 18289, A	C 211	14.2	74.7	287	7	US-10-437-963-9841	Sequence 9841, Ap
C 139	14.8	77.9	11314	10	US-11-097-143-7553	Sequence 7553, Ap	C 212	14.2	74.7	287	7	US-10-767-701-1964	Sequence 1964, Ap
C 140	14.8	77.9	11314	3	US-09-880-107-2088	Sequence 2088, Ap	C 213	14.2	74.7	304	8	US-10-425-115-128877	Sequence 128877, A
C 141	14.8	77.9	14776	6	US-10-625-899-6	Sequence 6, Appl1	C 214	14.2	74.7	322	7	US-10-425-114-20718	Sequence 20718, A
C 142	14.8	77.9	25801	8	US-10-181-319-13	Sequence 13, Appl1	C 215	14.2	74.7	322	8	US-10-425-115-154177	Sequence 154177, A
C 143	14.8	77.9	41694	8	US-10-719-993-6806	Sequence 6806, Ap	C 216	14.2	74.7	344	7	US-10-437-963-80089	Sequence 80089, A
C 144	14.8	77.9	337032	7	US-10-322-696-52	Sequence 52, Appl1	C 217	14.2	74.7	348	8	US-10-425-115-180440	Sequence 180440, A
C 145	14.4	75.8	328	3	US-09-960-352-10498	Sequence 10498, A	C 218	14.2	74.7	369	7	US-10-437-963-63170	Sequence 63170, A
C 146	14.4	75.8	356	7	US-10-437-963-77131	Sequence 77131, A	C 219	14.2	74.7	375	7	US-10-282-122A-14203	Sequence 14203, A
C 147	14.4	75.8	577	5	US-10-425-115-49785	Sequence 49785, A	C 220	14.2	74.7	380	8	US-10-653-047-1602	Sequence 1602, Ap
C 148	14.4	75.8	577	3	US-09-443-704-37	Sequence 37, Appl1	C 221	14.2	74.7	390	7	US-10-437-963-43470	Sequence 43470, A
C 149	14.4	75.8	577	5	US-10-008-118A-37	Sequence 37, Appl1	C 222	14.2	74.7	399	7	US-10-609-021-223	Sequence 223, App
C 150	14.4	75.8	626	8	US-10-425-115-70358	Sequence 70358, A	C 223	14.2	74.7	399	8	US-10-425-115-2397	Sequence 2397, Ap
C 151	14.4	75.8	643	7	US-10-374-780A-563	Sequence 563, App	C 224	14.2	74.7	399	9	US-10-779-543-15889	Sequence 15889, A
C 152	14.4	75.8	643	7	US-10-412-699B-1056	Sequence 1056, Ap	C 225	14.2	74.7	450	7	US-10-767-701-16294	Sequence 16294, A
C 153	14.4	75.8	717	3	US-09-738-626-704	Sequence 704, App	C 226	14.2	74.7	459	7	US-10-282-122A-30300	Sequence 30300, A
C 154	14.4	75.8	789	7	US-10-627-476-297	Sequence 297, App	C 227	14.2	74.7	471	8	US-10-425-115-12554	Sequence 12554, A
C 155	14.4	75.8	854	7	US-10-627-476-899	Sequence 299, App	C 228	14.2	74.7	482	7	US-10-767-701-18749	Sequence 18749, A
C 156	14.4	75.8	864	5	US-10-767-701-12844	Sequence 12844, A	C 229	14.2	74.7	487	7	US-10-609-021-220	Sequence 220, App
C 157	14.4	75.8	939	5	US-10-121-988-88	Sequence 88, Appl1	C 230	14.2	74.7	487	9	US-10-779-543-15886	Sequence 15886, A
C 158	14.4	75.8	939	6	US-10-200-562-88	Sequence 88, Appl1	C 231	14.2	74.7	499	7	US-10-767-701-21169	Sequence 21169, A
C 159	14.4	75.8	939	6	US-10-237-551-88	Sequence 88, Appl1	C 232	14.2	74.7	503	9	US-10-487-901-2653	Sequence 2653, Ap
C 160	14.4	75.8	939	6	US-10-945-050-88	Sequence 88, Appl1	C 233	14.2	74.7	507	9	US-10-450-763-16711	Sequence 16711, A
C 161	14.4	75.8	1011	7	US-10-669-824-9	Sequence 9, Appl1	C 234	14.2	74.7	511	7	US-10-437-963-92225	Sequence 92225, A
C 162	14.4	75.8	1071	3	US-10-783-710A-5	Sequence 5, Appl1	C 235	14.2	74.7	516	6	US-10-388-934-239	Sequence 239, App
C 163	14.4	75.8	1074	3	US-09-443-704-3	Sequence 3, Appl1	C 236	14.2	74.7	537	7	US-10-424-599-51627	Sequence 51627, A
C 164	14.4	75.8	1074	5	US-10-008-118A-3	Sequence 3, Appl1	C 237	14.2	74.7	534	7	US-10-767-701-30380	Sequence 30380, A
C 165	14.4	75.8	1127	8	US-10-425-115-128690	Sequence 128690, A	C 238	14.2	74.7	538	6	US-10-029-386-20309	Sequence 20309, A
C 166	14.4	75.8	1157	9	US-10-870-198-82	Sequence 82, Appl1	C 239	14.2	74.7	555	7	US-10-767-701-12862	Sequence 28662, A
C 167	14.4	75.8	1160	9	US-10-870-198-82	Sequence 9, Appl1	C 240	14.2	74.7	557	6	US-10-029-386-9719	Sequence 9719, Ap
C 168	14.4	75.8	1412	7	US-10-437-963-61052	Sequence 61052, A	C 241	14.2	74.7	562	7	US-10-424-599-14061	Sequence 14061, A
C 169	14.4	75.8	1432	8	US-10-425-115-179090	Sequence 179090, A	C 242	14.2	74.7	564	7	US-10-282-122A-23185	Sequence 23185, A

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C 243	14.2	74.7	566	4	US-09-925-065A-748698	Sequence 748698,	C 316	14.2	74.7	1081	7	US-10-425-114-28086	Sequence 28086, A
C 244	14.2	74.7	566	4	US-09-925-065A-748699	Sequence 748699,	C 317	14.2	74.7	1086	7	US-10-627-476-73	Sequence 73, Appl
C 245	14.2	74.7	566	4	US-09-925-065A-748700	Sequence 748700,	C 318	14.2	74.7	1088	7	US-10-450-763-8276	Sequence 8276, Ap
C 246	14.2	74.7	566	4	US-09-925-065A-821660	Sequence 821660,	C 319	14.2	74.7	1131	3	US-09-823-038A-7	Sequence 7, Appl
C 247	14.2	74.7	570	7	US-10-260-238-5432	Sequence 5432, Ap	C 320	14.2	74.7	1134	6	US-10-156-761-4194	Sequence 4194, Ap
C 248	14.2	74.7	570	7	US-10-437-963-61734	Sequence 61734, A	C 321	14.2	74.7	1134	6	US-10-369-493-34224	Sequence 34224, A
C 249	14.2	74.7	572	8	US-10-363-345A-33155	Sequence 33155, A	C 322	14.2	74.7	1148	8	US-10-425-115-24262	Sequence 24262, A
C 250	14.2	74.7	572	8	US-10-363-345A-33156	Sequence 33156, A	C 323	14.2	74.7	1149	8	US-10-425-115-129717	Sequence 129717, A
C 251	14.2	74.7	572	9	US-10-363-483A-33155	Sequence 33155, A	C 324	14.2	74.7	1157	8	US-10-363-345A-30837	Sequence 30837, A
C 252	14.2	74.7	572	9	US-10-363-483A-33156	Sequence 33156, A	C 325	14.2	74.7	1157	8	US-10-363-345A-30838	Sequence 30838, A
C 253	14.2	74.7	577	8	US-10-425-115-136116	Sequence 136116,	C 326	14.2	74.7	1157	9	US-10-363-483A-30837	Sequence 30837, A
C 254	14.2	74.7	594	4	US-09-925-065A-829033	Sequence 829033,	C 327	14.2	74.7	1157	9	US-10-363-483A-30838	Sequence 30838, A
C 255	14.2	74.7	594	10	US-11-097-143-6011	Sequence 6011, Ap	C 328	14.2	74.7	1164	6	US-10-156-761-149	Sequence 149, App
C 256	14.2	74.7	599	9	US-10-972-079-24409	Sequence 24409, A	C 329	14.2	74.7	1171	7	US-10-282-122A-13876	Sequence 13876, A
C 257	14.2	74.7	599	9	US-10-972-079-24410	Sequence 24410, A	C 330	14.2	74.7	1173	6	US-10-369-493-39255	Sequence 39255, A
C 258	14.2	74.7	606	4	US-09-925-065A-285598	Sequence 285598,	C 331	14.2	74.7	1173	6	US-10-369-493-39596	Sequence 39596, A
C 259	14.2	74.7	606	4	US-09-925-065A-285599	Sequence 285599,	C 332	14.2	74.7	1173	6	US-10-369-493-39967	Sequence 39967, A
C 260	14.2	74.7	610	4	US-09-925-065A-931321	Sequence 931321,	C 333	14.2	74.7	1194	7	US-10-437-963-8333	Sequence 8332, Ap
C 261	14.2	74.7	611	4	US-09-925-065A-736598	Sequence 736598,	C 334	14.2	74.7	1194	9	US-10-487-901-2452	Sequence 2452, Ap
C 262	14.2	74.7	611	4	US-09-925-065A-736599	Sequence 736599,	C 335	14.2	74.7	1207	7	US-10-425-114-3895	Sequence 3895, Ap
C 263	14.2	74.7	611	4	US-09-925-065A-736600	Sequence 736600,	C 336	14.2	74.7	1207	7	US-10-425-115-60699	Sequence 60699, A
C 264	14.2	74.7	611	4	US-09-925-065A-814172	Sequence 814172,	C 337	14.2	74.7	1255	10	US-11-097-143-2216	Sequence 2216, Ap
C 265	14.2	74.7	614	4	US-09-925-065A-923274	Sequence 923274,	C 338	14.2	74.7	1262	8	US-10-425-115-168363	Sequence 168363, A
C 266	14.2	74.7	637	4	US-09-925-065A-75381	Sequence 75381, A	C 339	14.2	74.7	1266	6	US-10-156-761-2078	Sequence 2078, Ap
C 267	14.2	74.7	669	8	US-10-363-345A-24377	Sequence 24377, A	C 340	14.2	74.7	1314	10	US-11-097-143-38678	Sequence 38678, Ap
C 268	14.2	74.7	669	8	US-10-363-345A-24378	Sequence 24378, A	C 341	14.2	74.7	1315	6	US-10-017-161-2259	Sequence 2259, Ap
C 269	14.2	74.7	669	9	US-10-363-483A-24377	Sequence 24377, A	C 342	14.2	74.7	1315	6	US-10-292-798-1905	Sequence 1905, Ap
C 270	14.2	74.7	669	9	US-10-363-483A-24378	Sequence 24378, A	C 343	14.2	74.7	1324	5	US-10-149-819-26	Sequence 26, Appl
C 271	14.2	74.7	679	8	US-10-653-047-5469	Sequence 5469, Ap	C 344	14.2	74.7	1325	10	US-11-097-143-21641	Sequence 21641, A
C 272	14.2	74.7	693	6	US-10-156-761-6442	Sequence 6442, Ap	C 345	14.2	74.7	1326	5	US-10-027-633-124765	Sequence 124765, A
C 273	14.2	74.7	693	6	US-10-156-761-6442	Sequence 6442, Ap	C 346	14.2	74.7	1326	5	US-10-027-633-124765	Sequence 124765, A
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C 276	14.2	74.7	697	9	US-10-363-483A-14504	Sequence 14503, A	C 349	14.2	74.7	1328	6	US-10-487-901-7337	Sequence 7337, Ap
C 277	14.2	74.7	697	9	US-10-363-483A-14504	Sequence 14503, A	C 350	14.2	74.7	1367	9	US-10-156-761-1771	Sequence 1771, Ap
C 278	14.2	74.7	729	5	US-10-027-632-18297	Sequence 18297, A	C 351	14.2	74.7	1376	6	US-10-310-154-158	Sequence 158, App
C 279	14.2	74.7	729	6	US-10-027-632-18297	Sequence 18297, A	C 352	14.2	74.7	1376	9	US-10-732-923-318	Sequence 318, App
C 280	14.2	74.7	735	7	US-10-767-701-15294	Sequence 15294, A	C 353	14.2	74.7	1386	7	US-10-437-963-84590	Sequence 84590, A
C 281	14.2	74.7	738	8	US-10-425-115-91188	Sequence 91188, A	C 354	14.2	74.7	1410	7	US-10-282-122A-15341	Sequence 15341, A
C 282	14.2	74.7	742	8	US-10-425-115-6873	Sequence 6873, Ap	C 355	14.2	74.7	1411	8	US-10-425-115-19606	Sequence 19606, A
C 283	14.2	74.7	753	5	US-10-084-846A-27	Sequence 27, Appl	C 356	14.2	74.7	1421	7	US-10-425-114-12658	Sequence 12658, A
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C 285	14.2	74.7	757	6	US-10-027-632-157777	Sequence 157777,	C 358	14.2	74.7	1473	7	US-10-882-122A-14406	Sequence 14406, A
C 286	14.2	74.7	759	6	US-10-156-761-3963	Sequence 3963, Ap	C 359	14.2	74.7	1518	3	US-09-880-505-88	Sequence 88, Appl
C 287	14.2	74.7	783	8	US-10-425-115-6840	Sequence 6840, Ap	C 360	14.2	74.7	1518	5	US-10-051-643-88	Sequence 88, Appl
C 288	14.2	74.7	785	8	US-10-739-930-4635	Sequence 4635, Ap	C 361	14.2	74.7	1524	6	US-10-205-973-12	Sequence 12, Appl
C 289	14.2	74.7	786	7	US-10-282-122A-14071	Sequence 14071, A	C 362	14.2	74.7	1524	7	US-10-425-114-3664	Sequence 3664, Ap
C 290	14.2	74.7	789	6	US-10-369-493-32258	Sequence 32258, A	C 363	14.2	74.7	1531	6	US-10-369-493-27896	Sequence 27896, A
C 291	14.2	74.7	807	7	US-10-437-963-69163	Sequence 69163, A	C 364	14.2	74.7	1531	8	US-10-425-115-36490	Sequence 36490, A
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C 294	14.2	74.7	816	8	US-10-363-345A-38345	Sequence 38345, A	C 367	14.2	74.7	1554	6	US-10-156-761-400	Sequence 400, App
C 295	14.2	74.7	816	8	US-10-363-345A-38346	Sequence 38346, A	C 368	14.2	74.7	1557	7	US-10-437-963-36725	Sequence 36725, A
C 296	14.2	74.7	816	9	US-10-363-483A-38345	Sequence 38345, A	C 369	14.2	74.7	1588	7	US-10-437-963-96761	Sequence 96761, A
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C 298	14.2	74.7	820	8	US-10-425-115-110425	Sequence 110425, A	C 371	14.2	74.7	1681	7	US-10-425-114-22461	Sequence 22461, A
C 299	14.2	74.7	825	7	US-10-767-701-8292	Sequence 8292, Ap	C 372	14.2	74.7	1686	7	US-10-437-963-50173	Sequence 50173, A
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C 390	14.2	74.7	1965	7	US-10-362-537-2	Sequence 2, App1	C 463	14.2	74.7	2749	3	US-09-992-598-516	Sequence 516, App
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C 396	14.2	74.7	2067	7	US-10-342-887-1056	Sequence 1056, Ap	C 469	14.2	74.7	2749	3	US-09-990-444-516	Sequence 516, App
C 397	14.2	74.7	2067	8	US-10-923-860-1362	Sequence 1362, Ap	C 470	14.2	74.7	2749	3	US-09-991-181-516	Sequence 516, App
C 398	14.2	74.7	2067	9	US-10-928-465-19	Sequence 19, App1	C 471	14.2	74.7	2749	3	US-09-989-713A-516	Sequence 516, App
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C 400	14.2	74.7	2093	3	US-09-735-705-158	Sequence 158, App	C 473	14.2	74.7	2749	3	US-09-993-687-516	Sequence 516, App
C 401	14.2	74.7	2093	3	US-09-850-716A-158	Sequence 158, App	C 474	14.2	74.7	2749	3	US-09-989-734-516	Sequence 516, App
C 402	14.2	74.7	2093	3	US-09-897-778-158	Sequence 158, App	C 475	14.2	74.7	2749	3	US-09-978-183-215	Sequence 215, App
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C 404	14.2	74.7	2093	5	US-10-007-700-158	Sequence 158, App	C 477	14.2	74.7	2749	3	US-09-989-724-516	Sequence 516, App
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C 410	14.2	74.7	2151	8	US-10-425-115-167861	Sequence 167861, A	C 483	14.2	74.7	2749	3	US-09-990-438-516	Sequence 516, App
C 411	14.2	74.7	2153	9	US-10-450-763-23665	Sequence 23665, A	C 484	14.2	74.7	2749	3	US-09-990-562-516	Sequence 516, App
C 412	14.2	74.7	2160	9	US-10-491-183-104	Sequence 104, App	C 485	14.2	74.7	2749	3	US-09-990-711-516	Sequence 516, App
C 413	14.2	74.7	2169	7	US-10-641-643-870	Sequence 870, App	C 486	14.2	74.7	2749	3	US-09-989-726-516	Sequence 516, App
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C 455	14.2	74.7	2749	3	US-09-989-732-516	Sequence 516, App	C 528	14.2	74.7	2749	3	US-09-997-333-516	Sequence 516, App
C 456	14.2	74.7	2749	3	US-09-991-073-516	Sequence 516, App	C 529	14.2	74.7	2749	3	US-09-997-384-516	Sequence 516, App
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C 547	14.2	74.7	2749	US-09-978-665A-215	Sequence 215	App	C 620	14.2	74.7	2749	US-10-125-924-385	Sequence 385	App
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C 591	14.2	74.7	2749	US-10-127-829A-385	Sequence 385	App	C 664	14.2	74.7	2749	US-10-125-928A-385	Sequence 385	App
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C 595	14.2	74.7	2749	US-10-128-693A-385	Sequence 385	App	C 668	14.2	74.7	2749	US-10-127-826A-385	Sequence 385	App
C 596	14.2	74.7	2749	US-10-131-813A-385	Sequence 385	App	C 669	14.2	74.7	2749	US-10-127-827A-385	Sequence 385	App
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C 600	14.2	74.7	2749	US-10-131-830A-385	Sequence 385	App	C 673	14.2	74.7	2749	US-10-127-833A-385	Sequence 385	App
C 601	14.2	74.7	2749	US-10-131-837A-385	Sequence 385	App	C 674	14.2	74.7	2749	US-10-127-834A-385	Sequence 385	App
C 602	14.2	74.7	2749	US-10-137-872A-385	Sequence 385	App	C 675	14.2	74.7	2749	US-10-127-834A-385	Sequence 385	App
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C 605	14.2	74.7	2749	US-10-147-515-385	Sequence 385	App	C 678	14.2	74.7	2749	US-10-128-687A-385	Sequence 385	App
C 606	14.2	74.7	2749	US-10-147-517-385	Sequence 385	App	C 679	14.2	74.7	2749	US-10-128-688A-385	Sequence 385	App
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C 726	14.2	74.7	2749	6	US-10-145-746-385	Sequence 385, App	C 799	14.2	74.7	2749	6	US-10-145-820-385	Sequence 385, App
C 727	14.2	74.7	2749	6	US-10-145-748-385	Sequence 385, App	C 800	14.2	74.7	2749	6	US-10-145-877-385	Sequence 385, App
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ALIGNMENTS

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; Publication NO. US20030124546A1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Loch, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
; TITLE OF INVENTION: COMPLEX MEMBERS
; FILE REFERENCE: 408.014
; CURRENT APPLICATION NUMBER: US/10/086,206
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/FR97/01483
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: FR 96/10277
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 4
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; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-4
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Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 2
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; Publication No. US20040029129A1
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; GENERAL INFORMATION:
; APPLICANT: Wang, Liangou
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; REMAINING PRIOR APPLICATION DATA REMOVED - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: Patent version 3.1
; SEQ ID NO 26407
; LENGTH: 1230
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26407
```

```
Query Match 100.0%; Score 19; DB 7; Length 1230;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GCGGAGAGCCCGAAGTGC 19
Db 1174 GCGGAGAGCCCGAAGTGC 1192
```

```
RESULT 3
US-09-712-363-27
; Sequence 27, Application US/09712363
; Patent No. US20020164588A1
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rotstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
```

```

; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206,
; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/134,092
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 1233
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-712-363-27

Query Match      100.0%; Score 19; DB 3; Length 1233;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGCGAGAGCCCGAACTGC 19
DB      1174 GCGCGAGAGCCCGAACTGC 1192

RESULT 4
US-10-282-122A-28204
; Sequence 28204, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Mang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
```

```

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28204
; LENGTH: 1233
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28204

Query Match      100.0%; Score 19; DB 7; Length 1233;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGCGAGAGCCCGAACTGC 19
DB      1174 GCGCGAGAGCCCGAACTGC 1192

RESULT 5
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match      100.0%; Score 19; DB 6; Length 86114;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGCGAGAGCCCGAACTGC 19
DB      67119 GCGCGAGAGCCCGAACTGC 67137

RESULT 6
US-10-080-170-648
; Sequence 648, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648

Query Match      100.0%; Score 19; DB 7; Length 86114;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 GCGCGAGAGCCGACTGC 19
Db 67119 GCGCGAGAGCCGACTGC 67137

RESULT 7

US-10-468-356-648
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 05394.0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648

Query Match 100.0%; Score 19; DB 8; Length 86114;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGACTGC 19
Db 67119 GCGCGAGAGCCGACTGC 67137

RESULT 8

US-10-282-122A-13734
; Sequence 13734, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyckind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13734
; LENGTH: 612
; TYPE: DNA
; ORGANISM: Burkholderia fungorum
US-10-282-122A-13734

Query Match 91.6%; Score 17.4; DB 7; Length 612;
Best Local Similarity 94.7%; Pred. No. 52;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGACTGC 19
Db 204 GCGCGAGAGCCGACTGC 222

RESULT 9

US-10-369-493-31424
; Sequence 31424, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 31424
; LENGTH: 1437
; TYPE: DNA
; ORGANISM: Rhodobacter sphaeroides
US-10-369-493-31424

Query Match 91.6%; Score 17.4; DB 6; Length 1437;
Best Local Similarity 94.7%; Pred. No. 45;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGACTGC 19
Db 1410 GCGCGAGAGCCGACTGC 1428

RESULT 10

US-09-934-289A-11
; Sequence 11, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1C1V1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03

```

: NUMBER OF SEQ ID NOS: 58
: SOFTWARE: FastSeq for Windows Version 3.0.
: SEQ ID NO 11
: LENGTH: 126
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)...(126)
: OS: 09-934-289A-11

```

Query Match	83.2%	Score 15.8	DB 3	length 126
Best Local Similarity	89.5%	Pred. No. 4.2e+02		
Matches 17	Conservative 0	Mismatches 2	Indels 0	Gaps 0

QY 1 GCGGAGAGCCGAACTGC 19
||| ||| ||| ||| |||
Db 84 GCGGCGAGCCGGAATGC 10

```

RESULT 11
US-09-934-289A-27
Sequence 27 Application US/09934289A
Patent No. US20020132287A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: MB1098-061CPI(CN1)(M)
CURRENT APPLICATION NUMBER: US/09/934,289A
CURRENT FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq For Windows Version 3.0
SEQ ID NO 27
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-09-934-289A-27

```

Query Match	83.2%	Score 15.8;	DB 3;	length 126;
Best Local Similarity	89.5%	Pred. No. 4,2e+02;		
Matches 17; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	1	GGCGGAGAGCCGAACTGC	19	
db	84	GGCGCGAGCCGGAATGC	102	

```

RESULT 12
US-09-934-289A-39
; Sequence 39, Application US/09934289A
; Patent No. US2002012287A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58

```

```

? SOFTWARE: FASTSQ for Windows Version 3.0
?
? SEQ ID NO: 39
?
? LENGTH: 126
?
? TYPE: DNA
?
? ORGANISM: Homo sapiens
?
? FEATURES:
?
? NAME/KEY: CDS
?
? LOCATION: (1) ... (126)
?
? OS: 09-934-289A-39

```

Query Match	83.2%	Score 15.8;	DB 3;	Length 126;
Best Local Similarity	89.5%	Pred. No. 4	2e+02;	
Matches 17;	Conservative	0;	Mismatches 2;	Indels 0;
				Gaps 0;

Oy 1 GCGCGAGCCCGAACTGC 19
 |||||
 Db 84 GCGCGGAGCCCGAACTGC 102

```

RESULT 13
US-09-934-289A-53
? Sequence 53, Application US/09934289A
? Patent No. US20020132287A1
? GENERAL INFORMATION:
? APPLICANT: Buefield, Samantha J.
? TITLE OF INVENTION: NOVEL MOLECULES OF THE
? TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
? TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
? FILE REFERENCE: MB1098-061CP1CN1 (M)
? CURRENT APPLICATION NUMBER: US/09/934,289A
? CURRENT FILING DATE: 2001-08-21
? PRIOR APPLICATION NUMBER: US 09/342,767
? PRIOR FILING DATE: 1999-06-29
? PRIOR APPLICATION NUMBER: US 09/146,950
? PRIOR FILING DATE: 1998-09-03
? NUMBER OF SEQ ID NOS: 58
? SOFTWARE: FASTSEQ for Windows Version 3.0
? SEQ ID NO 53
? LENGTH: 126
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (1)...(126)
US-09-934-289A-53

```

Query Match	83.2%	Score 15.8	DB 3	Length 126
Best Local Similarity	89.5%	Pred. No. 4.2e+02		
Matches	17	Conservative %	0	Mismatches 2
				Indels 0
				Gaps 0
Qy	1	GGGCGAGACCCGAATGC	19	
Db	84	GGCGCGAGACCCGAATGC	102	

```

1 RESULT 14
2 US-10-932-991-11
3 / Sequence 11, Application US/10932991
4 / Publication No. US20050013827A1
5 / GENERAL INFORMATION:
6 / APPLICANT: Busfield, Samantha J
7 / TITLE OF INVENTION: NOVEL MOLECULES OF THE
8 / TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
9 / TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
10 / FILE REFERENCE: MB1098-061C1P1CN1 (W)
11 / CURRENT APPLICATION NUMBER: US/10/932,991
12 / CURRENT FILING DATE: 2004-09-01
13 / PRIOR APPLICATION NUMBER: US/09/934,289
14 / PRIOR FILING DATE: 2001-08-21
15 / PRIOR APPLICATION NUMBER: US 09/342,767
16 / PRIOR FILING DATE: 1999-06-29
17 / PRIOR APPLICATION NUMBER: US 09/146,950
18 / PRIOR FILING DATE: 1998-09-03
19 /

```

NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 11
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-11

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 15

US-10-932-991-27
Sequence 27, Application US/10932991
Publication No. US20050013827A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
FILE REFERENCE: MB1098-061C1CN1(M)
CURRENT APPLICATION NUMBER: US/10/932,991
CURRENT FILING DATE: 2004-09-01
PRIOR APPLICATION NUMBER: US/09/934,289
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 27
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-27

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 16

US-10-932-991-39
Sequence 39, Application US/10932991
Publication No. US20050013827A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
FILE REFERENCE: MB1098-061C1CN1(M)
CURRENT APPLICATION NUMBER: US/10/932,991
CURRENT FILING DATE: 2004-09-01
PRIOR APPLICATION NUMBER: US/09/934,289
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767

PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 39
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-39

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 17

US-10-932-991-53
Sequence 53, Application US/10932991
Publication No. US20050013827A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
FILE REFERENCE: MB1098-061C1CN1(M)
CURRENT APPLICATION NUMBER: US/10/932,991
CURRENT FILING DATE: 2004-09-01
PRIOR APPLICATION NUMBER: US/09/934,289
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 53
LENGTH: 126
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(126)
US-10-932-991-53

Query Match 83.2%; Score 15.8; DB 8; Length 126;
Best Local Similarity 89.5%; Pred. No. 4.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
|||||
Db 84 GCGCGAGAGCCCGAAGCTGC 102

RESULT 18

US-10-425-115-59071
Sequence 59071, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53222)B


```
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 59071
; LENGTH: 308
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_153868C.1
US-10-425-115-59071
```

```
Query Match      83.2%; Score 15.8; DB 8; Length 308;
Best Local Similarity 89.5%; Pred. No. 3.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1 GCGCGAGAGCCCGAAGCTGC 19
         |||||
Db      21 GCGCGAAGACGACGAACTGC 39
```

```
RESULT 19
; Sequence 1466, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1466
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
US-10-856-499-1466
```

```
Query Match      83.2%; Score 15.8; DB 8; Length 371;
Best Local Similarity 89.5%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1 GCGCGAGAGCCCGAAGCTGC 19
         |||||
Db      68 GCGCGAGAGCGCTGATCTGC 50
```

```
RESULT 20
US-10-156-761-5377/c
; Sequence 5377, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 5377
```

```
; LENGTH: 528
; TYPE: DNA
; ORGANISM: Streptomyces avermitilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(528)
US-10-156-761-5377
```

```
Query Match      83.2%; Score 15.8; DB 6; Length 528;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1 GCGCGAGAGCCCGAAGCTGC 19
         |||||
Db      183 GCGCGAGATCCCGAAGCCG 165
```

```
RESULT 21
US-09-934-289A-31
; Sequence 31, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPLCN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(558)
US-09-934-289A-31
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 558;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1 GCGCGAGAGCCCGAAGCTGC 19
         |||||
Db      315 GCGCGAGAGCCCGAAGCTGC 333
```

```
RESULT 22
US-10-932-991-31
; Sequence 31, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPLCN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
```

```
; SEQ ID NO 31
; LENGTH: 558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(558)
US-10-932-991-31
```

```
Query Match      83.2%; Score 15.8; DB 8; Length 558;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 23

```
US-09-934-289A-3
; Sequence 3, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(579)
US-09-934-289A-3
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 579;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 24

```
US-10-932-991-3
; Sequence 3, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; PRIOR FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
```

```
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(579)
US-10-932-991-3
```

```
Query Match      83.2%; Score 15.8; DB 8; Length 579;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 25

```
US-09-934-289A-19
; Sequence 19, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 19
; LENGTH: 591
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(591)
US-09-934-289A-19
```

```
Query Match      83.2%; Score 15.8; DB 3; Length 591;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GCGCGAGAGCCCGAAGCTGC 19
          ||||| ||||| ||||| |||||
Db      315 GCGCGGAGCGCGGAGACTGC 333
```

RESULT 26

```
US-10-932-991-19
; Sequence 19, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061C1CN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; PRIOR FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
```

NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 19
LENGTH: 591
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(591)
US-10-932-991-19

Query Match 83.2%; Score 15.8; DB 8; Length 591;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 333

RESULT 27
US-10-156-761-6873/c
Sequence 6873, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 6873
LENGTH: 672
TYPE: DNA
ORGANISM: Streptomyces avermitilis
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(672)
US-10-156-761-6873

Query Match 83.2%; Score 15.8; DB 6; Length 672;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 297

RESULT 28
US-09-934-289A-43
Sequence 43, Application US/09934289A
Patent No. US20020132297A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: MBIO98-061CPLCN1(M)
CURRENT APPLICATION NUMBER: US/09/934,289A
CURRENT FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29

PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 831
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(831)
US-09-934-289A-43

Query Match 83.2%; Score 15.8; DB 3; Length 831;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 333

RESULT 29
US-10-932-991-43
Sequence 43, Application US/10932991
Publication No. US20050013827A1
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE
TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
FILE REFERENCE: MBIO98-061CPLCN1(M)
CURRENT APPLICATION NUMBER: US/10/932,991
CURRENT FILING DATE: 2004-09-01
PRIOR APPLICATION NUMBER: US/09/934,289
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/342,767
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/146,950
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 831
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(831)
US-10-932-991-43

Query Match 83.2%; Score 15.8; DB 8; Length 831;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
|||||
Db 315 GCGCGAGAGCCCGAACTGC 333

RESULT 30
US-10-363-345A-15745
Sequence 15745, Application US/10363345A
Publication No. US20040234960A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3'
FILE REFERENCE: E01/1227
CURRENT APPLICATION NUMBER: US/10/363,345A
CURRENT FILING DATE: 2003-03-03

```

; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 15745
; LENGTH: 840
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: Cpg-Island No: 15745
US-10-363-345A-15745

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY
1 GCGCGAGAGCCCGAAGTGC 19
|||||
Db 128 GCGCGAGAGCGCGAATGTC 146

RESULT 31
US-10-363-345A-15746/c
; Sequence 15746, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-Cpg-3
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 15746
; LENGTH: 840
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: Cpg-Island No: 15746
US-10-363-345A-15746

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY
1 GCGCGAGAGCCCGAAGTGC 19
|||||
Db 713 GCGCGAGAGCGCGAATGTC 695

RESULT 32
US-10-363-483A-15745
; Sequence 15745, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; TITLE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 15745
; LENGTH: 840
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: Cpg-Island No: 15745
US-10-363-483A-15745
```

```

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 9; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY
1 GCGCGAGAGCCCGAAGTGC 19
|||||
Db 128 GCGCGAGAGCGCGAATGTC 146

RESULT 33
US-10-363-483A-15746/c
; Sequence 15746, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; TITLE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 15746
; LENGTH: 840
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: Cpg-Island No: 15746
US-10-363-483A-15746

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 9; Length 840;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY
1 GCGCGAGAGCCCGAAGTGC 19
|||||
Db 713 GCGCGAGAGCGCGAATGTC 695

RESULT 34
US-10-363-345A-31339
; Sequence 31339, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-Cpg-3
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 31339
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: Cpg-Island No: 31339
US-10-363-345A-31339

Query Match
Best Local Similarity 83.2%; Score 15.8; DB 8; Length 841;
Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY
1 GCGCGAGAGCCCGAAGTGC 19
|||||
Db 218 GCGCGAGAGCGCGAATGTC 236
```

```
RESULT 35
US-10-363-345A-31340/C
; Sequence 31340, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 31340
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-363-345A-31340

Query Match      83.2%; Score 15.8; DB 8; Length 841;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAATGC 19
Db      624 GCGCGAGAGCCCGAATGC 606

RESULT 36
US-10-363-483A-31339
; Sequence 31339, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 31339
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-31339

Query Match      83.2%; Score 15.8; DB 9; Length 841;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAATGC 19
Db      218 GCGCGAGAGCCCGAATGC 236

RESULT 37
US-10-363-483A-31340/C
; Sequence 31340, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 31340
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-31340

Query Match      83.2%; Score 15.8; DB 9; Length 841;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAATGC 19
Db      624 GCGCGAGAGCCCGAATGC 606

RESULT 38
US-10-775-204-38
; Sequence 38, Application US/10775204
; Publication No. US2005018664A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
; LENGTH: 852
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-204-38

Query Match      83.2%; Score 15.8; DB 9; Length 852;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAATGC 19
Db      315 GCGCGAGAGCCCGAATGC 333
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RESULT 39
US-10-775-204-116
; Sequence 116, Application US/10775204
; Publication No. US2005018664A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; APPLICANT: Balance, David J.
; APPLICANT: Turner, Andrew J.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF564
; CURRENT APPLICATION NUMBER: US/10/775,204
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 60/351,360
; PRIOR FILING DATE: 2002-01-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2222
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 116
; LENGTH: 852
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-204-116

Query Match      83.2%; Score 15.8; DB 9; Length 852;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCCGAAGTGC 19
Db      315 GCGCGAGAGCCCGAAGTGC 333

RESULT 40
US-11-097-143-12464
; Sequence 12464, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CLO00728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
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; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 4308
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12464
; LENGTH: 969
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-12464

Query Match      83.2%; Score 15.8; DB 10; Length 969;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCCGAAGTGC 19
Db      765 GCGCGAGAGCCCGAAGTGC 783

RESULT 41
US-10-282-122A-11581
; Sequence 11581, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11581
; LENGTH: 1029
; TYPE: DNA
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ORGANISM: Burkholderia cepacia
US-10-282-122a-11581

Query Match 83.2%; Score 15.8; DB 7; Length 1029;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGGAAGCTGC 19
|||||
DB 771 GCGCGAGATCCGGAAGCTTC 789

RESULT 42

US-10-437-963-61381/c
Sequence 61381, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 61381
LENGTH: 1055
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)-(1055)
OTHER INFORMATION: unsure at all n locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_6281C.1
US-10-437-963-61381

Query Match 83.2%; Score 15.8; DB 7; Length 1055;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCGGAAGCTGC 19
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DB 234 GCCTGAGAGCCCGAAGCTGC 216

RESULT 43

US-10-425-114-2535/c
Sequence 2535, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jindong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 2535
LENGTH: 1081
TYPE: DNA
ORGANISM: Zea mays

FEATURE:
OTHER INFORMATION: Clone ID: 700216676_FLI
US-10-425-114-2535

Query Match 83.2%; Score 15.8; DB 7; Length 1081;
Best Local Similarity 89.5%; Pred. No. 2.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGGAAGCTGC 19
|||||
DB 421 GCGCGCGCGCCCGAAGCTGC 403

RESULT 44

US-10-437-963-5859/c
Sequence 5859, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 5859
LENGTH: 1476
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_12604C.1
US-10-437-963-5859

Query Match 83.2%; Score 15.8; DB 7; Length 1476;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGGAAGCTGC 19
|||||
DB 588 GCGCGAGAGCCCGAAGCTGC 570

RESULT 45

US-10-322-281-545
Sequence 545, Application US/10322281
Publication No. US20040126762A1
GENERAL INFORMATION:
APPLICANT: David W. Morris
APPLICANT: Marc S. Malandro
TITLE OF INVENTION: Novel Compositions and Methods in Cancer
FILE REFERENCE: 529452001000
CURRENT APPLICATION NUMBER: US/10/322,281
CURRENT FILING DATE: 2002-12-17
NUMBER OF SEQ ID NOS: 866
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 545
LENGTH: 1558
TYPE: DNA
ORGANISM: Homo sapiens
US-10-322-281-545

Query Match 83.2%; Score 15.8; DB 7; Length 1558;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGGAAGCTGC 19

Db 463 GCGCGGAGCCGGAAGCTGC 481

RESULT 46

US-09-934-289A-17
; Sequence 17, Application US/09934289A
; Patent No. US20020132297A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/09/934,289A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)...(697)
US-09-934-289A-17

Query Match 83.2%; Score 15.8; DB 3; Length 1596;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
Db 421 GCGCGGAGCCGGAAGCTGC 439

RESULT 47

US-10-932-991-17
; Sequence 17, Application US/10932991
; Publication No. US20050013827A1
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J.
; TITLE OF INVENTION: NOVEL MOLECULES OF THE
; TITLE OF INVENTION: HERPESVIRUS-ENTRY-MEDIATOR-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; FILE REFERENCE: MB1098-061CPICN1(M)
; CURRENT APPLICATION NUMBER: US/10/932,991
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: US/09/934,289
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/342,767
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/146,950
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1596
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)...(697)
US-10-932-991-17

Query Match 83.2%; Score 15.8; DB 8; Length 1596;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
Db 421 GCGCGGAGCCGGAAGCTGC 439

RESULT 48

US-10-020-787-1
; Sequence 1, Application US/10020787
; Publication No. US20020102258A1
; GENERAL INFORMATION:
; APPLICANT: Harrop, Jeremy A.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: Reddy, Manjula P.
; APPLICANT: Truneh, Alemegeged
; TITLE OF INVENTION: Human Tumor Necrosis Factor
; TITLE OF INVENTION: Receptor-Like 2 (TRL2) Antibodies
; FILE REFERENCE: GH50027C1
; CURRENT APPLICATION NUMBER: US/10/020,787
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: 09/403,815
; PRIOR FILING DATE: 1999-10-26
; PRIOR APPLICATION NUMBER: PCT/US98/09744
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/046,249
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1704
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-020-787-1

Query Match 83.2%; Score 15.8; DB 5; Length 1704;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19
Db 579 GCGCGGAGCCGGAAGCTGC 597

RESULT 49

US-10-939-359-1
; Sequence 1, Application US/10939359
; Publication No. US20050065326A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Antibodies that Specifically Bind to TR2
; FILE REFERENCE: PF579P1
; CURRENT APPLICATION NUMBER: US/10/939,359
; CURRENT FILING DATE: 2004-09-14
; PRIOR APPLICATION NUMBER: PCT/US03/10955
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 60/371,722
; PRIOR FILING DATE: 2002-04-12
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 1704
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (265)...(1113)
US-10-939-359-1

Query Match 83.2%; Score 15.8; DB 9; Length 1704;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGCTGC 19

Db 579 GCGCGAGAGCCGGAAGTGC 597

RESULT 50

US-09-924-231-1

; Sequence 1, Application US/09924231
; Patent No. US20020102644A1

GENERAL INFORMATION:

; APPLICANT: SPEAR, Patricia G.

; APPLICANT: MONTGOMERY, Rebecca I.

; TITLE OF INVENTION: HERPES VIRUS ENTRY RECEPTOR PROTEIN

; FILE REFERENCE: 0290-1

; CURRENT APPLICATION NUMBER: US/09/924,231

; CURRENT FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: 09/333,279

; PRIOR FILING DATE: 1999-06-15

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 1724

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-924-231-1

Query Match 83.2%; Score 15.8; DB 3; Length 1724;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCGGAAGTGC 19

Db 608 GCGCGAGAGCCGGAAGTGC 626

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Job time : 485.119 secs

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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:29:07 ; Search time 258.915 Seconds
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Title: US-10-086-206a-4
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Searched: 6038814 seqs, 404674181 residues

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Published Applications NA New:*

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10: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15.8	83.2	1049	US-10-987-663-3	Sequence 3, Appl1
2	15	78.9	3579	US-10-858-730-143	Sequence 143, App
3	15	78.9	109974	US-11-117-187-204	Sequence 204, App
4	14.2	74.7	25	US-11-121-849-40715	Sequence 40715, A
5	14.2	74.7	25	US-11-121-849-267686	Sequence 267686, A
6	14.2	74.7	775	US-10-750-185-35163	Sequence 35163, A
7	14.2	74.7	775	US-10-750-623-35163	Sequence 35163, A
8	14.2	74.7	930	US-10-467-657-7411	Sequence 7411, Ap
9	14.2	74.7	935	US-10-750-185-41160	Sequence 41160, A
10	14.2	74.7	935	US-10-750-623-41160	Sequence 41160, A
11	14.2	74.7	2099	US-10-623-155-158	Sequence 158, App
12	14.2	74.7	2219	US-11-000-688-560	Sequence 560, App
13	14.2	74.7	2364	US-10-750-185-38086	Sequence 38086, A
14	14.2	74.7	2364	US-10-750-623-38086	Sequence 38086, A
15	14.2	74.7	2749	US-10-131-826A-385	Sequence 385, App
16	14.2	74.7	3851	US-11-090-739-119	Sequence 119, App
17	14.2	74.7	6200	US-10-895-011-1	Sequence 1, Appl1
18	14.2	74.7	6200	US-11-038-372-1	Sequence 1, Appl1
19	14.2	74.7	7944	US-10-821-234-451	Sequence 451, App
20	14.2	74.7	10129	US-11-044-111-21	Sequence 21, Appl
21	13.8	72.6	18	US-10-310-914A-816897	Sequence 816897, A
22	13.8	72.6	20	US-10-848-724-2	Sequence 2, Appl1
23	13.8	72.6	20	US-10-849-438-2	Sequence 2, Appl1

24	13.8	72.6	20	US-10-909-125-2	Sequence 2, Appl1
25	13.8	72.6	20	US-10-515-538-2	Sequence 2, Appl1
26	13.8	72.6	20	US-10-927-466-2	Sequence 2, Appl1
27	13.8	72.6	20	US-10-510-667-53	Sequence 53, Appl
28	13.8	72.6	20	US-11-127-654-302	Sequence 302, App
29	13.8	72.6	20	US-11-101-017-13	Sequence 13, Appl
30	13.8	72.6	20	US-11-111-288-11	Sequence 11, Appl
31	13.8	72.6	20	US-11-136-818A-2	Sequence 2, Appl1
32	13.8	72.6	20	US-11-066-725-2	Sequence 8, Appl1
33	13.8	72.6	20	US-11-124-020A-8	Sequence 36, Appl1
34	13.8	72.6	20	US-11-004-762-36	Sequence 24, Appl1
35	13.8	72.6	20	US-11-072-806-24	Sequence 2, Appl1
36	13.8	72.6	20	US-11-097-928-2	Sequence 2005, App
37	13.8	72.6	21	US-11-001-347-2005	Sequence 2037, App
38	13.8	72.6	21	US-11-001-347-1823	Sequence 1823, App
39	13.8	72.6	23	US-11-001-347-1823	Sequence 1823, App
40	13.8	72.6	23	US-11-001-347-1825	Sequence 1825, App
41	13.8	72.6	23	US-11-001-347-1825	Sequence 1825, App
42	13.8	72.6	25	US-11-136-527-284853	Sequence 1917, App
43	13.8	72.6	443	US-11-136-527-1917	Sequence 6013, App
44	13.8	72.6	600	US-11-136-527-6013	Sequence 6013, App
45	13.8	72.6	2003	US-10-750-185-25739	Sequence 25739, A
46	13.8	72.6	2003	US-10-750-623-25739	Sequence 25739, A
47	13.8	72.6	2329	US-11-136-527-1966	Sequence 1966, App
48	13.8	72.6	2774	US-11-000-688-1278	Sequence 1278, App
49	13.8	72.6	3323	US-10-131-826A-113	Sequence 113, App
50	13.8	72.6	9585	US-11-052-554A-474	Sequence 474, App
51	13.8	72.6	37507	US-10-522-037-2	Sequence 2, Appl1
52	13.8	72.6	98345	US-11-112-908-36	Sequence 36, Appl1
53	13.8	72.6	115935	US-10-775-169-241	Sequence 241, App
54	13.8	72.6	127340	US-11-112-908-35	Sequence 35, Appl1
55	13.8	72.6	153376	US-11-121-086-5	Sequence 5, Appl1
56	13.4	70.5	32	US-10-939-294A-16365	Sequence 16365, A
57	13.4	70.5	552	US-10-467-657-5747	Sequence 5747, App
58	13.4	70.5	661	US-10-750-185-46129	Sequence 46129, A
59	13.4	70.5	661	US-10-750-623-46129	Sequence 46129, A
60	13.4	70.5	6884	US-11-136-527-2395	Sequence 2395, App
61	13.4	70.5	692	US-11-009-658-15	Sequence 15, Appl
62	13.4	70.5	1780	US-10-750-185-55945	Sequence 55945, A
63	13.4	70.5	1780	US-10-750-623-55945	Sequence 59045, A
64	13.4	70.5	2115	US-11-009-658-41	Sequence 41, Appl1
65	13.4	70.5	3673	US-11-136-527-246	Sequence 246, App
66	13.4	70.5	6384	US-11-136-527-2395	Sequence 2395, App
67	13.4	70.5	9616	US-10-995-561-309	Sequence 309, App
68	13.4	70.5	9626	US-10-995-561-308	Sequence 308, App
69	13.4	70.5	9636	US-10-995-561-310	Sequence 310, App
70	13.4	70.5	175100	US-11-121-086-21	Sequence 21, Appl
71	13.4	70.5	645179	US-10-995-561-13293	Sequence 13293, A
72	13.2	69.5	24	US-10-310-914A-33974	Sequence 33974, A
73	13.2	69.5	25	US-11-136-527-195848	Sequence 195848, A
74	13.2	69.5	25	US-11-136-527-195870	Sequence 195870, A
75	13.2	69.5	25	US-11-136-527-195872	Sequence 195872, A
76	13.2	69.5	25	US-11-136-527-208675	Sequence 208675, A
77	13.2	69.5	25	US-11-136-527-208703	Sequence 208703, A
78	13.2	69.5	25	US-11-136-527-136975	Sequence 136975, A
79	13.2	69.5	63	US-10-310-914A-13373	Sequence 13373, A
80	13.2	69.5	201	US-10-995-561-27889	Sequence 27889, A
81	13.2	69.5	201	US-10-995-561-27889	Sequence 27889, A
82	13.2	69.5	481	US-10-775-169-349	Sequence 349, App
83	13.2	69.5	600	US-11-136-527-6721	Sequence 4404, App
84	13.2	69.5	600	US-11-136-527-6721	Sequence 4404, App
85	13.2	69.5	600	US-11-136-527-7970	Sequence 7970, App
86	13.2	69.5	665	US-10-750-185-50978	Sequence 50978, App
87	13.2	69.5	665	US-10-750-623-50978	Sequence 50978, App
88	13.2	69.5	843	US-10-750-185-47734	Sequence 47734, A
89	13.2	69.5	843	US-10-750-623-47734	Sequence 47734, A
90	13.2	69.5	886	US-10-955-054A-109	Sequence 109, App
91	13.2	69.5	886	US-10-955-054A-109	Sequence 109, App
92	13.2	69.5	916	US-10-750-185-40162	Sequence 40162, A
93	13.2	69.5	916	US-10-750-623-40162	Sequence 40162, A
94	13.2	69.5	985	US-11-136-527-308	Sequence 308, App
95	13.2	69.5	1335	US-10-467-657-4577	Sequence 4577, App
96	13.2	69.5	1386	US-11-075-185-55	Sequence 55, Appl

97	13.2	69.5	1407	7	US-11-136-527-3834	Sequence 3824, Ap	170	12.8	67.4	884	6	US-10-524-647-119	Sequence 119, App
98	13.2	69.5	1651	6	US-10-750-185-40134	Sequence 40134, A	171	12.8	67.4	1553	6	US-10-750-185-47849	Sequence 47849, A
99	13.2	69.5	1651	6	US-10-750-623-40134	Sequence 40134, A	172	12.8	67.4	1553	6	US-10-750-623-47849	Sequence 47849, A
100	13.2	69.5	1707	7	US-11-136-527-2625	Sequence 2625, Ap	173	12.8	67.4	1511	7	US-11-136-527-5528	Sequence 528, App
101	13.2	69.5	1870	6	US-10-750-185-38563	Sequence 38563, A	174	12.8	67.4	1766	6	US-10-980-388-31	Sequence 31, App
102	13.2	69.5	1870	6	US-10-750-623-38563	Sequence 38563, A	175	12.8	67.4	1776	6	US-10-821-234-233	Sequence 233, App
103	13.2	69.5	1887	6	US-10-467-657-1129	Sequence 1129, Ap	176	12.8	67.4	1776	6	US-10-980-388-54	Sequence 54, App
104	13.2	69.5	1920	7	US-11-052-554A-549	Sequence 549, App	177	12.8	67.4	2183	6	US-10-750-185-45094	Sequence 45094, A
105	13.2	69.5	2158	6	US-10-909-125-805	Sequence 805, App	178	12.8	67.4	2183	6	US-10-750-623-45094	Sequence 45094, A
106	13.2	69.5	2167	7	US-11-136-527-2430	Sequence 2430, Ap	179	12.8	67.4	2396	6	US-10-821-234-315	Sequence 315, App
107	13.2	69.5	2184	6	US-10-467-657-1441	Sequence 1441, Ap	180	12.8	67.4	2889	6	US-10-750-185-49687	Sequence 49687, A
108	13.2	69.5	2244	7	US-11-136-527-78	Sequence 78, App	181	12.8	67.4	3295	6	US-10-750-623-49687	Sequence 49687, A
109	13.2	69.5	2812	6	US-10-750-185-32310	Sequence 32310, A	182	12.8	67.4	3295	6	US-10-454-437-359	Sequence 359, App
110	13.2	69.5	2812	6	US-10-750-623-32310	Sequence 32310, A	183	12.8	67.4	37507	6	US-11-121-086-76	Sequence 76, App
111	13.2	69.5	2952	6	US-10-750-185-52511	Sequence 52511, A	184	12.8	67.4	98862	7	US-11-121-086-76	Sequence 76, App
112	13.2	69.5	2952	6	US-10-750-623-52511	Sequence 52511, A	185	12.8	67.4	124972	7	US-11-121-086-100	Sequence 100, App
113	13.2	69.5	3673	7	US-11-136-527-246	Sequence 246, App	186	12.8	67.4	150481	7	US-11-112-908-37	Sequence 37, App
114	13.2	69.5	3985	7	US-11-000-688-358	Sequence 358, App	187	12.8	67.4	152335	7	US-11-121-086-73	Sequence 73, App
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116	13.2	69.5	4282	7	US-11-183-624-1	Sequence 3, App	189	12.8	67.4	171162	7	US-11-112-908-38	Sequence 38, App
117	13.2	69.5	6469	7	US-11-136-527-3814	Sequence 3814, Ap	190	12.8	67.4	179892	7	US-11-112-908-33	Sequence 39, App
118	13.2	69.5	14172	7	US-11-075-185-2	Sequence 2, App	191	12.8	67.4	611587	7	US-11-112-908-33	Sequence 209, App
119	13.2	69.5	15923	6	US-10-995-561-13258	Sequence 13258, A	192	12.6	66.3	21	6	US-10-310-914A-672034	Sequence 672034, A
120	13.2	69.5	28553	6	US-10-995-561-13477	Sequence 13477, A	193	12.6	66.3	21	6	US-10-310-914A-1041527	Sequence 1041527, A
121	13.2	69.5	37500	6	US-10-522-037-1	Sequence 1, App	194	12.6	66.3	24	6	US-10-310-914A-22558	Sequence 22558, A
122	13.2	69.5	47941	6	US-10-995-561-13430	Sequence 13430, A	195	12.6	66.3	25	7	US-11-121-849-96143	Sequence 96143, A
123	13.2	69.5	53338	6	US-10-995-561-13243	Sequence 13243, A	196	12.6	66.3	25	7	US-11-121-849-459590	Sequence 459590, A
124	13.2	69.5	77246	7	US-11-124-368A-2907	Sequence 2907, Ap	197	12.6	66.3	67	6	US-10-310-914A-6608	Sequence 6608, Ap
125	13.2	69.5	116856	7	US-11-143-980-1	Sequence 1, App	198	12.6	66.3	77	6	US-10-10-914A-1957	Sequence 1957, Ap
126	13.2	69.5	149419	7	US-11-112-908-49	Sequence 49, App	199	12.6	66.3	201	6	US-10-995-561-8954	Sequence 8954, Ap
127	13.2	69.5	150468	7	US-11-112-908-56	Sequence 56, App	200	12.6	66.3	201	6	US-10-995-561-8955	Sequence 8955, Ap
128	13.2	69.5	161726	7	US-11-112-908-48	Sequence 48, App	201	12.6	66.3	201	6	US-10-995-561-8960	Sequence 8960, Ap
129	13.2	69.5	161976	7	US-11-112-908-52	Sequence 52, App	202	12.6	66.3	201	6	US-10-995-561-88190	Sequence 88190, A
130	13.2	69.5	161994	7	US-11-112-908-57	Sequence 57, App	203	12.6	66.3	201	6	US-10-995-561-48193	Sequence 48193, A
131	13.2	69.5	162085	7	US-11-121-086-7	Sequence 7, App	204	12.6	66.3	201	6	US-10-995-561-48210	Sequence 48210, A
132	13.2	69.5	166111	7	US-11-112-908-47	Sequence 47, App	205	12.6	66.3	201	6	US-10-995-561-69421	Sequence 69421, A
133	13.2	69.5	191331	7	US-11-112-908-20	Sequence 20, App	206	12.6	66.3	201	6	US-10-995-561-65423	Sequence 65423, A
134	13.2	69.5	193789	7	US-11-112-908-55	Sequence 55, App	207	12.6	66.3	201	6	US-10-995-561-72583	Sequence 72583, A
135	13.2	69.5	108000	6	US-10-928-446A-1	Sequence 1, App	208	12.6	66.3	201	6	US-10-995-561-72589	Sequence 72589, A
136	13.2	69.5	108000	6	US-10-928-446A-181	Sequence 181, App	209	12.6	66.3	201	6	US-10-995-561-72604	Sequence 72604, A
137	13.2	69.5	108000	6	US-10-928-446A-183	Sequence 183, App	210	12.6	66.3	201	6	US-10-995-561-80799	Sequence 80799, A
138	13.2	69.5	108000	6	US-10-928-446A-185	Sequence 185, App	211	12.6	66.3	201	6	US-10-995-561-84367	Sequence 84367, A
139	13.2	69.5	108000	6	US-10-928-446A-187	Sequence 187, App	212	12.6	66.3	201	6	US-10-995-561-84546	Sequence 84546, A
140	13.2	69.5	108000	6	US-10-928-446A-189	Sequence 189, App	213	12.6	66.3	201	6	US-10-995-561-84577	Sequence 84577, A
141	13.2	69.5	108000	6	US-10-928-446A-191	Sequence 191, App	214	12.6	66.3	201	6	US-10-995-561-84577	Sequence 84577, A
142	13.2	69.5	108000	6	US-10-928-446A-193	Sequence 193, App	215	12.6	66.3	201	7	US-11-124-368A-9553	Sequence 9553, App
143	13.2	69.5	108000	6	US-10-928-446A-195	Sequence 195, App	216	12.6	66.3	410	7	US-11-108-172-639	Sequence 639, App
144	13.2	69.5	108000	6	US-10-928-446A-197	Sequence 197, App	217	12.6	66.3	428	7	US-11-198-847-49	Sequence 49, App
145	13.2	69.5	108000	6	US-10-928-446A-199	Sequence 199, App	218	12.6	66.3	450	7	US-11-084-085-57	Sequence 57, App
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147	13	68.4	598	6	US-10-750-185-20558	Sequence 20558, A	220	12.6	66.3	476	7	US-11-128-061-735	Sequence 735, App
148	13	68.4	598	6	US-10-750-623-20558	Sequence 20558, A	221	12.6	66.3	476	7	US-11-128-061-4377	Sequence 4377, App
149	12.8	67.4	18	6	US-10-310-914A-1215799	Sequence 1215799, A	222	12.6	66.3	481	7	US-11-009-658-17	Sequence 17, App
150	12.8	67.4	19	6	US-10-310-914A-737980	Sequence 737980, A	223	12.6	66.3	481	7	US-11-198-847-223	Sequence 223, App
151	12.8	67.4	20	6	US-10-310-914A-1356759	Sequence 1356759, A	224	12.6	66.3	600	6	US-10-750-185-20937	Sequence 20937, A
152	12.8	67.4	21	6	US-11-001-347-2004	Sequence 2004, Ap	225	12.6	66.3	600	6	US-10-750-185-20730	Sequence 20730, A
153	12.8	67.4	21	7	US-11-001-347-2036	Sequence 2036, Ap	226	12.6	66.3	600	6	US-10-750-623-4704	Sequence 4704, Ap
154	12.8	67.4	23	6	US-10-310-914A-1356760	Sequence 1356760, A	227	12.6	66.3	600	6	US-10-750-623-20097	Sequence 20097, A
155	12.8	67.4	23	7	US-11-001-347-1822	Sequence 1822, Ap	228	12.6	66.3	600	6	US-10-750-623-20730	Sequence 20730, A
156	12.8	67.4	24	6	US-10-310-914A-132224	Sequence 132224, A	229	12.6	66.3	600	7	US-11-136-527-6203	Sequence 6203, Ap
157	12.8	67.4	25	7	US-11-121-849-306307	Sequence 306307, A	230	12.6	66.3	600	7	US-11-136-527-6881	Sequence 6881, Ap
158	12.8	67.4	25	7	US-11-136-527-231245	Sequence 231245, A	231	12.6	66.3	608	7	US-11-112-908-497	Sequence 497, App
159	12.8	67.4	25	7	US-11-136-527-316985	Sequence 316985, A	232	12.6	66.3	630	6	US-10-467-657-4385	Sequence 4385, Ap
160	12.8	67.4	32	6	US-10-939-294A-19869	Sequence 19869, A	233	12.6	66.3	658	7	US-11-136-527-1376	Sequence 1376, Ap
161	12.8	67.4	72	6	US-10-310-914A-16942	Sequence 16942, A	234	12.6	66.3	658	7	US-11-136-527-5472	Sequence 5472, Ap
162	12.8	67.4	300	6	US-10-802-796-79	Sequence 79, App	235	12.6	66.3	715	6	US-10-750-185-49751	Sequence 49751, A
163	12.8	67.4	578	7	US-11-128-061-165	Sequence 165, App	236	12.6	66.3	715	6	US-10-750-623-49751	Sequence 49751, A
164	12.8	67.4	578	7	US-11-128-061-3807	Sequence 3807, Ap	237	12.6	66.3	784	7	US-11-112-908-477	Sequence 477, App
165	12.8	67.4	600	6	US-10-750-185-1432	Sequence 1432, Ap	238	12.6	66.3	800	6	US-11-112-908-503	Sequence 503, App
166	12.8	67.4	600	6	US-10-750-623-1432	Sequence 1432, Ap	239	12.6	66.3	870	6	US-10-750-185-59100	Sequence 59100, A
167	12.8	67.4	600	7	US-11-136-527-4624	Sequence 4624, Ap	240	12.6	66.3	870	6	US-10-750-623-59100	Sequence 59100, A
168	12.8	67.4	600	7	US-11-136-527-4892	Sequence 4892, Ap	241	12.6	66.3	876	6	US-10-432-483-9	Sequence 9, App
169	12.8	67.4	693	7	US-11-136-527-796	Sequence 796, App	242	12.6	66.3	920	6	US-10-750-185-56926	Sequence 56926, A

C 243	12.6	66.3	920	6	US-10-750-623-56926	Sequence 56926, A	C 316	12.6	66.3	2738	6	US-10-750-623-28195	Sequence 28195, A
C 244	12.6	66.3	960	7	US-11-212-443-67	Sequence 67, Appl	C 317	12.6	66.3	2208	6	US-10-750-185-44046	Sequence 44046, A
C 245	12.6	66.3	990	6	US-10-467-657-1491	Sequence 1491, Ap	C 318	12.6	66.3	2908	6	US-10-750-623-44046	Sequence 44046, A
C 246	12.6	66.3	1008	7	US-11-165-226-117	Sequence 117, App	C 319	12.6	66.3	2931	6	US-10-750-185-34628	Sequence 34628, A
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C 248	12.6	66.3	1087	6	US-10-750-185-53931	Sequence 53931, A	C 321	12.6	66.3	3002	6	US-10-793-626-3968	Sequence 3968, Ap
C 249	12.6	66.3	1087	6	US-10-750-623-53931	Sequence 53931, A	C 322	12.6	66.3	3006	6	US-10-750-185-33430	Sequence 33430, A
C 250	12.6	66.3	1095	6	US-10-517-939-319	Sequence 319, App	C 323	12.6	66.3	3099	7	US-10-750-623-33430	Sequence 33430, A
C 251	12.6	66.3	1110	6	US-10-750-185-40687	Sequence 40687, A	C 324	12.6	66.3	3124	7	US-11-185-567-11	Sequence 11, Appl
C 252	12.6	66.3	1110	6	US-10-750-623-40687	Sequence 40687, A	C 325	12.6	66.3	3124	7	US-11-055-822-311	Sequence 311, App
C 253	12.6	66.3	1156	7	US-11-186-284-5	Sequence 5, Appl1	C 326	12.6	66.3	3245	6	US-10-750-185-48135	Sequence 48135, A
C 254	12.6	66.3	1156	7	US-11-055-309A-1	Sequence 1, Appl1	C 327	12.6	66.3	3245	6	US-10-750-623-48135	Sequence 48135, A
C 255	12.6	66.3	1157	7	US-11-055-309A-3	Sequence 3, Appl1	C 328	12.6	66.3	3295	6	US-10-793-626-3676	Sequence 3676, Ap
C 256	12.6	66.3	1165	7	US-11-112-908-402	Sequence 402, App	C 329	12.6	66.3	3318	6	US-10-793-626-4114	Sequence 4114, Ap
C 257	12.6	66.3	1169	6	US-10-750-185-64316	Sequence 64316, A	C 330	12.6	66.3	3379	6	US-11-055-822-307	Sequence 307, App
C 258	12.6	66.3	1169	6	US-10-750-623-64316	Sequence 64316, A	C 331	12.6	66.3	3550	6	US-10-750-185-50454	Sequence 50454, A
C 259	12.6	66.3	1201	6	US-10-750-185-35835	Sequence 35835, A	C 332	12.6	66.3	3550	6	US-10-750-623-50454	Sequence 50454, A
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C 261	12.6	66.3	1209	6	US-10-858-730-58	Sequence 58, Appl	C 334	12.6	66.3	4067	6	US-10-750-185-60833	Sequence 60833, A
C 262	12.6	66.3	1276	6	US-10-750-185-38390	Sequence 38390, A	C 335	12.6	66.3	4367	6	US-10-750-623-60833	Sequence 60833, A
C 263	12.6	66.3	1276	6	US-10-750-623-38390	Sequence 38390, A	C 336	12.6	66.3	4509	7	US-11-087-100-5	Sequence 5, Appl1
C 264	12.6	66.3	1279	7	US-11-000-463-3	Sequence 3, Appl1	C 337	12.6	66.3	4509	7	US-11-087-085-5	Sequence 5, Appl1
C 265	12.6	66.3	1355	7	US-11-000-688-1237	Sequence 1237, Ap	C 338	12.6	66.3	4511	7	US-11-000-688-440	Sequence 440, App
C 266	12.6	66.3	1381	7	US-11-000-463-475	Sequence 475, App	C 339	12.6	66.3	4511	7	US-11-136-527-2105	Sequence 2105, Ap
C 267	12.6	66.3	1400	7	US-11-136-527-7594	Sequence 7594, Ap	C 340	12.6	66.3	4511	7	US-11-136-527-2105	Sequence 2105, Ap
C 268	12.6	66.3	1410	6	US-10-467-657-6539	Sequence 6539, Ap	C 341	12.6	66.3	5120	7	US-11-150-888-11	Sequence 11, Appl
C 269	12.6	66.3	1424	7	US-11-136-527-3498	Sequence 3498, Ap	C 342	12.6	66.3	5120	7	US-11-110-204-1	Sequence 1, Appl
C 270	12.6	66.3	1425	6	US-10-750-185-59568	Sequence 59568, A	C 343	12.6	66.3	5315	6	US-10-517-605-14	Sequence 14, Appl
C 271	12.6	66.3	1425	6	US-10-750-623-59568	Sequence 59568, A	C 344	12.6	66.3	5515	7	US-11-055-309A-2	Sequence 2, Appl1
C 272	12.6	66.3	1434	6	US-10-750-185-60834	Sequence 60834, A	C 345	12.6	66.3	5630	7	US-11-136-527-2714	Sequence 2714, Ap
C 273	12.6	66.3	1434	6	US-10-750-623-60834	Sequence 60834, A	C 346	12.6	66.3	5745	6	US-10-750-185-54380	Sequence 54380, A
C 274	12.6	66.3	1494	6	US-10-750-185-36226	Sequence 36226, A	C 347	12.6	66.3	5745	6	US-10-750-623-54380	Sequence 54380, A
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C 276	12.6	66.3	1511	6	US-10-750-185-62388	Sequence 62388, A	C 349	12.6	66.3	6594	6	US-10-770-726-17	Sequence 17, Appl
C 277	12.6	66.3	1511	6	US-10-750-185-62388	Sequence 62388, A	C 350	12.6	66.3	6594	6	US-11-075-185-38	Sequence 38, Appl
C 278	12.6	66.3	1512	7	US-11-087-100-31	Sequence 31, Appl	C 351	12.6	66.3	6941	6	US-10-432-483-49	Sequence 49, Appl
C 279	12.6	66.3	1512	7	US-11-087-084-31	Sequence 31, Appl	C 352	12.6	66.3	8537	6	US-10-240-708-41	Sequence 41, Appl
C 280	12.6	66.3	1512	7	US-11-087-085-31	Sequence 31, Appl	C 353	12.6	66.3	10494	8	US-11-174-186-40	Sequence 40, Appl
C 281	12.6	66.3	1512	7	US-11-075-185-56	Sequence 56, Appl	C 354	12.6	66.3	10968	7	US-11-075-185-35	Sequence 35, Appl
C 282	12.6	66.3	1532	6	US-10-750-185-59092	Sequence 59092, A	C 355	12.6	66.3	12507	7	US-11-136-527-2447	Sequence 2447, Ap
C 283	12.6	66.3	1532	6	US-10-750-623-59092	Sequence 59092, A	C 356	12.6	66.3	13187	7	US-11-136-527-3552	Sequence 3585, Ap
C 284	12.6	66.3	1550	6	US-10-750-185-53704	Sequence 53704, A	C 357	12.6	66.3	14172	7	US-11-075-185-2	Sequence 2, Appl1
C 285	12.6	66.3	1550	6	US-10-750-623-53704	Sequence 53704, A	C 358	12.6	66.3	17517	7	US-11-136-527-3650	Sequence 3650, Ap
C 286	12.6	66.3	1552	7	US-11-136-527-2107	Sequence 2107, Ap	C 359	12.6	66.3	23983	6	US-10-995-561-13412	Sequence 13491, A
C 287	12.6	66.3	1559	6	US-10-750-185-38168	Sequence 38168, A	C 360	12.6	66.3	25257	6	US-10-995-561-13412	Sequence 13412, A
C 288	12.6	66.3	1559	6	US-10-750-623-38168	Sequence 38168, A	C 361	12.6	66.3	34875	6	US-10-775-169-316	Sequence 316, App
C 289	12.6	66.3	1635	6	US-10-467-657-1407	Sequence 1407, Ap	C 362	12.6	66.3	37500	6	US-10-522-037-1	Sequence 1, Appl
C 290	12.6	66.3	1701	6	US-10-750-185-41876	Sequence 41876, A	C 363	12.6	66.3	46752	6	US-10-995-561-13410	Sequence 13410, A
C 291	12.6	66.3	1701	6	US-10-750-623-41876	Sequence 41876, A	C 364	12.6	66.3	78669	7	US-11-075-185-1	Sequence 1, Appl1
C 292	12.6	66.3	1726	7	US-11-108-528-35	Sequence 35, Appl	C 365	12.6	66.3	86361	6	US-10-995-561-13364	Sequence 13364, A
C 293	12.6	66.3	1760	6	US-10-750-185-25828	Sequence 25828, A	C 366	12.6	66.3	88421	7	US-11-205-109-1	Sequence 1, Appl1
C 294	12.6	66.3	1760	6	US-10-750-623-25828	Sequence 25828, A	C 367	12.6	66.3	88421	7	US-11-205-109-1	Sequence 1, Appl1
C 295	12.6	66.3	1791	7	US-11-063-443-9	Sequence 9, Appl1	C 368	12.6	66.3	100000	7	US-11-124-3680-1	Sequence 2913, Ap
C 296	12.6	66.3	1860	7	US-11-212-443-69	Sequence 69, Appl1	C 369	12.6	66.3	116856	7	US-11-143-980-1	Sequence 1, Appl1
C 297	12.6	66.3	1898	7	US-11-136-527-2690	Sequence 2690, Ap	C 370	12.6	66.3	119160	7	US-11-121-086-12	Sequence 12, Appl
C 298	12.6	66.3	1968	6	US-10-750-185-45399	Sequence 45399, A	C 371	12.6	66.3	127340	7	US-11-121-086-35	Sequence 35, Appl
C 299	12.6	66.3	1968	6	US-10-750-623-45399	Sequence 45399, A	C 372	12.6	66.3	153142	7	US-11-121-086-27	Sequence 27, Appl
C 300	12.6	66.3	1987	7	US-11-136-527-2689	Sequence 2689, Ap	C 373	12.6	66.3	155515	7	US-11-112-908-42	Sequence 42, Appl
C 301	12.6	66.3	2041	7	US-11-009-658-43	Sequence 43, Appl	C 374	12.6	66.3	164810	7	US-11-121-086-4	Sequence 4, Appl1
C 302	12.6	66.3	2133	6	US-11-045-802-10	Sequence 10, Appl	C 375	12.6	66.3	164810	7	US-11-112-908-59	Sequence 59, Appl
C 303	12.6	66.3	2133	6	US-10-750-185-48999	Sequence 48999, A	C 376	12.6	66.3	168656	7	US-11-112-908-58	Sequence 58, Appl
C 304	12.6	66.3	2173	6	US-10-750-623-48999	Sequence 48999, A	C 377	12.6	66.3	170285	7	US-11-112-908-58	Sequence 58, Appl
C 305	12.6	66.3	2331	6	US-10-467-657-2473	Sequence 2473, Ap	C 378	12.6	66.3	171936	6	US-10-933-025-24	Sequence 24, Appl
C 306	12.6	66.3	2355	7	US-11-112-908-15	Sequence 15, Appl	C 379	12.6	66.3	172543	7	US-11-121-086-6	Sequence 6, Appl1
C 307	12.6	66.3	2418	6	US-10-750-185-55978	Sequence 55978, A	C 380	12.6	66.3	173602	7	US-11-121-086-25	Sequence 25, Appl
C 308	12.6	66.3	2448	6	US-10-750-623-55978	Sequence 55978, A	C 381	12.6	66.3	175633	7	US-11-121-086-55	Sequence 55, Appl
C 309	12.6	66.3	2478	6	US-10-947-249-110	Sequence 110, App	C 382	12.6	66.3	175633	7	US-11-112-908-41	Sequence 41, Appl
C 310	12.6	66.3	2543	6	US-10-821-234-749	Sequence 749, App	C 383	12.6	66.3	175633	7	US-11-112-908-41	Sequence 41, Appl
C 311	12.6	66.3	2557	7	US-11-080-991-5	Sequence 5, Appl1	C 384	12.6	66.3	179587	7	US-11-121-086-91	Sequence 91, Appl
C 312	12.6	66.3	2672	6	US-10-989-718-1	Sequence 1, Appl1	C 385	12.6	66.3	191091	7	US-11-121-086-60	Sequence 60, Appl
C 313	12.6	66.3	2681	6	US-11-000-688-1036	Sequence 1036, Ap	C 386	12.6	66.3	220895	6	US-10-775-169-86	Sequence 86, Appl
C 314	12.6	66.3	2736	6	US-10-775-169-67	Sequence 67, Appl	C 387	12.6	66.3	340000	7	US-11-102-978-3	Sequence 3, Appl1
C 315	12.6	66.3	2738	6	US-10-750-185-28195	Sequence 28195, A	C 388	12.6	66.3	18	6	US-10-310-914A-1293733	Sequence 1293733, A

C 389	12.4	65.3	19	6	US-10-310-914A-215842	Sequence 215842,	462	12.4	65.3	1770	6	US-10-750-623-43281	Sequence 43281, A
C 390	12.4	65.3	19	8	US-10-310-914A-772458	Sequence 772458,	463	12.4	65.3	1765	6	US-10-947-249-135	Sequence 135, App
C 391	12.4	65.3	19	8	US-11-101-244-314502	Sequence 314502,	464	12.4	65.3	1965	6	US-10-909-125-815	Sequence 815, App
C 392	12.4	65.3	19	8	US-11-101-244-314525	Sequence 314525,	465	12.4	65.3	2066	6	US-10-750-185-28332	Sequence 28332, A
C 393	12.4	65.3	19	8	US-11-101-244-314544	Sequence 314544,	466	12.4	65.3	2066	6	US-10-750-623-28332	Sequence 28332, A
C 394	12.4	65.3	19	8	US-11-101-244-603372	Sequence 603372,	467	12.4	65.3	2072	6	US-10-750-185-36778	Sequence 36778, A
C 395	12.4	65.3	19	8	US-11-101-244-1040599	Sequence 1040599,	468	12.4	65.3	2072	6	US-10-750-623-36778	Sequence 36778, A
C 396	12.4	65.3	19	8	US-11-101-244-1366711	Sequence 1366711,	469	12.4	65.3	2264	7	US-11-184-380-8	Sequence 8, Appl1
C 397	12.4	65.3	19	9	US-11-083-784-314502	Sequence 314502,	470	12.4	65.3	2264	7	US-11-184-380-9	Sequence 9, Appl1
C 398	12.4	65.3	19	9	US-11-083-784-314525	Sequence 314525,	471	12.4	65.3	2307	7	US-11-184-380-9	Sequence 9, Appl1
C 399	12.4	65.3	19	9	US-11-083-784-314544	Sequence 314544,	472	12.4	65.3	2343	6	US-10-689-742-12	Sequence 12, Appl1
C 400	12.4	65.3	19	9	US-11-083-784-603372	Sequence 603372,	473	12.4	65.3	2783	6	US-11-094-519A-17	Sequence 17, Appl1
C 401	12.4	65.3	19	9	US-11-083-784-1040599	Sequence 1040599,	474	12.4	65.3	2783	6	US-10-750-185-37346	Sequence 37346, A
C 402	12.4	65.3	19	9	US-11-083-784-1366711	Sequence 1366711,	475	12.4	65.3	2783	6	US-10-750-623-37346	Sequence 37346, A
C 403	12.4	65.3	20	6	US-10-310-914A-142578	Sequence 142578,	476	12.4	65.3	2837	6	US-10-131-826A-229	Sequence 229, App
C 404	12.4	65.3	20	6	US-10-310-914A-964936	Sequence 964936,	477	12.4	65.3	2893	6	US-11-094-519A-16	Sequence 16, Appl1
C 405	12.4	65.3	22	6	US-10-310-914A-215843	Sequence 215843,	478	12.4	65.3	3366	6	US-10-995-561-270	Sequence 270, App
C 406	12.4	65.3	22	6	US-10-310-914A-534427	Sequence 534427,	479	12.4	65.3	3419	6	US-10-750-185-52027	Sequence 52027, A
C 407	12.4	65.3	23	6	US-10-310-914A-222628	Sequence 222628,	480	12.4	65.3	3419	6	US-10-750-623-52027	Sequence 52027, A
C 408	12.4	65.3	23	6	US-10-310-914A-278259	Sequence 278259,	481	12.4	65.3	3667	6	US-10-750-185-25113	Sequence 25113, A
C 409	12.4	65.3	24	6	US-10-750-185-16113	Sequence 16113, A	482	12.4	65.3	3667	6	US-10-750-623-25113	Sequence 25113, A
C 410	12.4	65.3	24	6	US-10-750-623-16113	Sequence 16113, A	483	12.4	65.3	4414	7	US-11-136-527-2918	Sequence 2918
C 411	12.4	65.3	24	6	US-10-310-914A-964917	Sequence 964917,	484	12.4	65.3	4642	7	US-11-145-035-35	Sequence 35, Appl1
C 412	12.4	65.3	25	7	US-11-121-849-25644	Sequence 25644, A	485	12.4	65.3	4652	7	US-11-184-380-1	Sequence 1, Appl1
C 413	12.4	65.3	25	7	US-11-121-849-267687	Sequence 267687,	486	12.4	65.3	4766	6	US-10-995-561-269	Sequence 269, App
C 414	12.4	65.3	25	7	US-11-121-849-627500	Sequence 627500,	487	12.4	65.3	5136	6	US-10-623-155-130	Sequence 130, App
C 415	12.4	65.3	25	7	US-11-136-527-172641	Sequence 172641,	488	12.4	65.3	5510	6	US-10-750-185-60453	Sequence 60453, A
C 416	12.4	65.3	62	6	US-10-310-914A-4268	Sequence 4268, Ap	489	12.4	65.3	5510	6	US-10-750-623-60453	Sequence 60453, A
C 417	12.4	65.3	80	6	US-10-310-914A-17131	Sequence 17131, A	490	12.4	65.3	5545	7	US-11-136-527-2815	Sequence 2815, Ap
C 418	12.4	65.3	83	6	US-10-310-914A-1332	Sequence 1332, Ap	491	12.4	65.3	7006	6	US-10-821-234-218	Sequence 218, App
C 419	12.4	65.3	84	6	US-10-310-914A-17069	Sequence 17069, A	492	12.4	65.3	12405	6	US-10-995-561-13453	Sequence 13453, A
C 420	12.4	65.3	86	6	US-10-310-914A-19423	Sequence 19423, A	493	12.4	65.3	13242	6	US-10-995-561-13441	Sequence 13441, A
C 421	12.4	65.3	88	6	US-10-310-914A-7534	Sequence 7534, Ap	494	12.4	65.3	16643	6	US-10-995-561-13306	Sequence 13306, A
C 422	12.4	65.3	101	6	US-10-310-914A-8790	Sequence 8790, Ap	495	12.4	65.3	18286	6	US-10-995-561-13382	Sequence 13382, A
C 423	12.4	65.3	201	6	US-10-995-561-8240	Sequence 8240, Ap	496	12.4	65.3	46876	6	US-10-995-561-13276	Sequence 13276, A
C 424	12.4	65.3	201	6	US-10-995-561-8253	Sequence 8253, Ap	497	12.4	65.3	92600	6	US-10-857-780-1	Sequence 1, Appl1
C 425	12.4	65.3	201	6	US-10-995-561-37309	Sequence 37309, Ap	498	12.4	65.3	14389	7	US-11-112-908-30	Sequence 30, Appl1
C 426	12.4	65.3	201	6	US-10-995-561-19686	Sequence 49686, A	499	12.4	65.3	150314	7	US-11-112-908-28	Sequence 28, Appl1
C 427	12.4	65.3	201	6	US-10-995-561-60755	Sequence 60755, A	500	12.4	65.3	166020	7	US-11-112-908-24	Sequence 24, Appl1
C 428	12.4	65.3	201	6	US-10-995-561-66914	Sequence 66914, A	501	12.4	65.3	172111	7	US-11-121-086-78	Sequence 78, Appl1
C 429	12.4	65.3	201	6	US-10-995-561-73077	Sequence 73077, A	502	12.4	65.3	189993	7	US-11-121-086-78	Sequence 78, Appl1
C 430	12.4	65.3	201	6	US-10-995-561-4152	Sequence 74152, A	503	12.4	65.3	191091	7	US-11-121-086-60	Sequence 60, Appl1
C 431	12.4	65.3	366	6	US-10-467-657-7439	Sequence 7439, Ap	504	12.4	65.3	191684	7	US-11-121-086-2	Sequence 2, Appl1
C 432	12.4	65.3	354	7	US-11-136-527-0043	Sequence 4043, Ap	505	12.4	65.3	212805	7	US-11-112-908-19	Sequence 19, Appl1
C 433	12.4	65.3	554	7	US-11-136-527-8139	Sequence 8139, Ap	506	12.4	65.3	212805	7	US-11-112-908-19	Sequence 19, Appl1
C 434	12.4	65.3	600	6	US-10-750-185-1509	Sequence 1509, Ap	507	12.4	65.3	1691140	7	US-11-101-244-44897	Sequence 44897, A
C 435	12.4	65.3	600	6	US-10-750-623-1509	Sequence 1509, Ap	508	12.2	64.2	19	8	US-11-101-244-44897	Sequence 44897, A
C 436	12.4	65.3	963	6	US-10-821-334-775	Sequence 775, App	509	12.2	64.2	21	6	US-10-310-914A-743144	Sequence 743144, A
C 437	12.4	65.3	969	6	US-10-750-185-51289	Sequence 51289, A	510	12.2	64.2	23	6	US-10-310-914A-1294509	Sequence 1294509, A
C 438	12.4	65.3	969	6	US-10-750-623-51299	Sequence 51299, A	511	12.2	64.2	24	6	US-10-310-914A-242042	Sequence 242042, A
C 439	12.4	65.3	986	6	US-10-750-185-51407	Sequence 41407, A	512	12.2	64.2	25	7	US-11-121-849-185092	Sequence 185092, A
C 440	12.4	65.3	986	6	US-10-750-623-41407	Sequence 41407, A	513	12.2	64.2	25	7	US-11-121-849-255405	Sequence 255405, A
C 441	12.4	65.3	991	7	US-11-112-908-379	Sequence 379, App	514	12.2	64.2	25	7	US-11-121-849-332142	Sequence 332142, A
C 442	12.4	65.3	1036	6	US-10-857-613-2	Sequence 2, Appl1	515	12.2	64.2	25	7	US-11-121-849-371112	Sequence 371112, A
C 443	12.4	65.3	1069	6	US-10-750-185-35788	Sequence 35788, A	516	12.2	64.2	25	7	US-11-121-849-404979	Sequence 404979, A
C 444	12.4	65.3	1069	6	US-10-750-623-35788	Sequence 35788, A	517	12.2	64.2	25	7	US-11-121-849-510038	Sequence 510038, A
C 445	12.4	65.3	1351	6	US-10-750-185-44890	Sequence 44890, A	518	12.2	64.2	25	7	US-11-136-527-201205	Sequence 201205, A
C 446	12.4	65.3	1351	6	US-10-750-623-44890	Sequence 44890, A	519	12.2	64.2	25	7	US-11-136-527-31659	Sequence 31659, A
C 447	12.4	65.3	1358	7	US-11-136-527-214	Sequence 214, App	520	12.2	64.2	26	6	US-10-310-914A-184557	Sequence 184557, A
C 448	12.4	65.3	1358	7	US-11-136-527-4310	Sequence 4310, Ap	521	12.2	64.2	26	6	US-10-310-914A-184557	Sequence 184557, A
C 449	12.4	65.3	1400	7	US-11-136-527-6659	Sequence 6659, Ap	522	12.2	64.2	28	6	US-10-310-914A-289457	Sequence 289457, A
C 450	12.4	65.3	1404	6	US-10-517-939-303	Sequence 303, App	523	12.2	64.2	63	6	US-10-310-914A-109923	Sequence 10993, A
C 451	12.4	65.3	1515	6	US-11-136-527-2563	Sequence 2563, Ap	524	12.2	64.2	79	6	US-10-310-914A-19925	Sequence 19925, A
C 452	12.4	65.3	1526	6	US-11-136-527-2928	Sequence 2928, Ap	525	12.2	64.2	102	7	US-11-056-657-8	Sequence 8, Appl1
C 453	12.4	65.3	1539	6	US-10-454-437-129	Sequence 129, App	526	12.2	64.2	195	6	US-10-467-657-3513	Sequence 3513, App
C 454	12.4	65.3	1539	6	US-10-454-437-131	Sequence 131, App	527	12.2	64.2	201	6	US-10-995-561-18950	Sequence 18950, App
C 455	12.4	65.3	1539	6	US-10-517-939-235	Sequence 235, App	528	12.2	64.2	201	6	US-10-995-561-12576	Sequence 12576, A
C 456	12.4	65.3	1565	6	US-10-821-234-338	Sequence 338, App	529	12.2	64.2	201	6	US-10-995-561-12582	Sequence 12582, A
C 457	12.4	65.3	1661	6	US-10-947-249-109	Sequence 109, App	530	12.2	64.2	201	6	US-10-995-561-12588	Sequence 12588, A
C 458	12.4	65.3	1661	6	US-11-000-688-1061	Sequence 1061, App	531	12.2	64.2	201	6	US-10-995-561-12596	Sequence 12596, A
C 459	12.4	65.3	1667	6	US-10-750-185-28489	Sequence 28489, A	532	12.2	64.2	201	6	US-10-995-561-12602	Sequence 12602, A
C 460	12.4	65.3	1667	6	US-10-750-623-28489	Sequence 28489, A	533	12.2	64.2	201	6	US-10-995-561-12608	Sequence 12608, A
C 461	12.4	65.3	1730	6	US-10-750-185-43281	Sequence 43281, A	534	12.2	64.2	201	6	US-10-995-561-14381	Sequence 14381, A

535	12.2	64.2	201	6	US-10-995-561-17572	Sequence 17572, A	C 608	12.2	64.2	1293	7	US-11-150-533-42	Sequence 42, Appl
536	12.2	64.2	201	6	US-10-995-561-48180	Sequence 48180, A	C 609	12.2	64.2	1317	7	US-11-052-554A-689	Sequence 689, App
537	12.2	64.2	201	6	US-10-995-561-48712	Sequence 48712, A	C 610	12.2	64.2	1353	6	US-10-467-657-6193	Sequence 6193, Ap
538	12.2	64.2	201	6	US-10-995-561-49205	Sequence 49205, A	C 611	12.2	64.2	1372	6	US-10-995-561-311	Sequence 311, App
539	12.2	64.2	201	6	US-10-995-561-49208	Sequence 49208, A	C 612	12.2	64.2	1379	7	US-11-132-864-4	Sequence 4, Appl1
540	12.2	64.2	201	6	US-10-995-561-54575	Sequence 54575, A	C 613	12.2	64.2	1390	7	US-11-136-527-2434	Sequence 2434, Ap
541	12.2	64.2	201	6	US-10-995-561-62600	Sequence 62600, A	C 614	12.2	64.2	1390	7	US-11-136-527-6530	Sequence 6530, Ap
542	12.2	64.2	201	6	US-10-995-561-62921	Sequence 62921, A	C 615	12.2	64.2	1395	6	US-10-750-185-556276	Sequence 556276, A
543	12.2	64.2	201	6	US-10-995-561-72568	Sequence 72568, A	C 616	12.2	64.2	1395	6	US-10-750-623-55276	Sequence 55276, A
544	12.2	64.2	201	6	US-10-995-561-80867	Sequence 80867, A	C 617	12.2	64.2	1400	7	US-11-136-527-4710	Sequence 4710, Ap
545	12.2	64.2	201	6	US-10-995-561-84616	Sequence 84616, A	C 618	12.2	64.2	1400	7	US-11-136-527-6957	Sequence 6957, Ap
546	12.2	64.2	201	7	US-11-124-368A-7249	Sequence 7249, Ap	C 619	12.2	64.2	1409	6	US-10-750-185-35127	Sequence 35127, A
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551	12.2	64.2	339	6	US-10-467-657-1871	Sequence 1871, Ap	C 624	12.2	64.2	1449	6	US-10-517-933-103	Sequence 103, App
552	12.2	64.2	357	6	US-10-469-561-23	Sequence 1851, Ap	C 625	12.2	64.2	1518	6	US-10-750-185-56475	Sequence 56475, A
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564	12.2	64.2	579	7	US-11-128-061-233	Sequence 233, App	C 637	12.2	64.2	1632	9	US-10-750-185-51054	Sequence 51054, A
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567	12.2	64.2	600	6	US-10-750-185-2478	Sequence 2478, Ap	C 640	12.2	64.2	1672	6	US-10-750-185-46633	Sequence 46633, A
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572	12.2	64.2	612	7	US-11-136-527-2552	Sequence 2552, Ap	C 645	12.2	64.2	1738	6	US-10-750-185-56434	Sequence 56434, A
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574	12.2	64.2	714	6	US-10-453-372-803	Sequence 803, App	C 647	12.2	64.2	1753	7	US-11-150-533-4	Sequence 4, Appl1
575	12.2	64.2	714	6	US-10-453-372-805	Sequence 805, App	C 648	12.2	64.2	1781	6	US-10-750-185-50076	Sequence 50076, A
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577	12.2	64.2	738	9	US-11-082-389-377	Sequence 377, App	C 650	12.2	64.2	1818	7	US-11-136-527-2861	Sequence 2861, Ap
578	12.2	64.2	771	6	US-10-467-657-7455	Sequence 7455, Ap	C 651	12.2	64.2	1901	7	US-11-136-527-252	Sequence 252, App
579	12.2	64.2	772	6	US-10-750-185-38776	Sequence 38776, A	C 652	12.2	64.2	1965	7	US-11-136-527-3043	Sequence 3043, Ap
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582	12.2	64.2	869	6	US-10-750-185-34784	Sequence 34784, A	C 655	12.2	64.2	2180	7	US-11-150-533-23	Sequence 23, Appl
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585	12.2	64.2	890	6	US-10-750-185-51058	Sequence 51058, A	C 658	12.2	64.2	2255	7	US-11-150-533-1	Sequence 1, Appl1
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587	12.2	64.2	924	6	US-10-750-185-63563	Sequence 63563, A	C 660	12.2	64.2	2260	6	US-10-750-623-27044	Sequence 27044, A
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591	12.2	64.2	1006	6	US-10-821-234-422	Sequence 422, App	C 664	12.2	64.2	2372	7	US-11-128-061-3573	Sequence 3573, Ap
592	12.2	64.2	1039	6	US-10-750-185-44025	Sequence 44025, A	C 665	12.2	64.2	2380	7	US-11-102-24-161	Sequence 161, App
593	12.2	64.2	1039	6	US-10-750-623-44025	Sequence 44025, A	C 666	12.2	64.2	2386	6	US-10-467-657-2525	Sequence 2525, Ap
594	12.2	64.2	1071	7	US-11-000-688-1164	Sequence 1164, Ap	C 667	12.2	64.2	2502	6	US-10-750-185-56544	Sequence 56544, A
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596	12.2	64.2	1081	6	US-10-750-623-62727	Sequence 62727, A	C 669	12.2	64.2	2521	7	US-11-136-527-304	Sequence 304, App
597	12.2	64.2	1082	7	US-11-041-776-70	Sequence 70, Appl	C 670	12.2	64.2	2551	7	US-11-186-284-78	Sequence 78, Appl
598	12.2	64.2	1091	6	US-10-750-185-50301	Sequence 50301, A	C 671	12.2	64.2	2558	6	US-10-750-185-37449	Sequence 37449, A
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603	12.2	64.2	1144	6	US-10-750-623-59543	Sequence 59543, A	C 676	12.2	64.2	2847	7	US-11-136-527-144	Sequence 144, App
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C 682	12.2	64.2	3039	7	US-11-192-801-21	Sequence 21, Appl
C 683	12.2	64.2	3044	7	US-11-192-801-38	Sequence 38, Appl
C 684	12.2	64.2	3155	7	US-11-128-061-562	Sequence 562, Appl
C 685	12.2	64.2	3330	6	US-10-750-185-32041	Sequence 32041, A
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C 687	12.2	64.2	3450	7	US-11-192-801-17	Sequence 17, Appl
C 688	12.2	64.2	3455	7	US-11-192-801-36	Sequence 36, Appl
C 689	12.2	64.2	3463	7	US-11-005-216-1	Sequence 1, Appl1
C 690	12.2	64.2	3469	7	US-11-192-801-23	Sequence 23, Appl
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C 692	12.2	64.2	3621	6	US-10-750-623-64643	Sequence 64643, A
C 693	12.2	64.2	3656	6	US-10-947-249-198	Sequence 198, App
C 694	12.2	64.2	4119	6	US-10-453-372-793	Sequence 793, App
C 695	12.2	64.2	4128	6	US-10-995-561-253	Sequence 253, App
C 696	12.2	64.2	4617	7	US-11-052-554A-530	Sequence 530, App
C 697	12.2	64.2	4884	7	US-11-052-554A-508	Sequence 508, App
C 698	12.2	64.2	5005	7	US-11-132-864-3	Sequence 3, Appl1
C 699	12.2	64.2	5051	6	US-10-995-561-493	Sequence 493, App
C 700	12.2	64.2	5321	6	US-10-821-234-367	Sequence 367, App
C 701	12.2	64.2	5332	6	US-10-995-561-492	Sequence 492, App
C 702	12.2	64.2	5253	9	US-11-004-057-3	Sequence 3, Appl1
C 703	12.2	64.2	5464	7	US-11-136-527-3219	Sequence 3219, Ap
C 704	12.2	64.2	5560	7	US-11-136-527-3168	Sequence 3168, Ap
C 705	12.2	64.2	6600	6	US-10-453-372-795	Sequence 795, App
C 706	12.2	64.2	7351	7	US-11-136-527-1983	Sequence 1983, App
C 707	12.2	64.2	8076	6	US-10-821-234-203	Sequence 203, App
C 708	12.2	64.2	11151	7	US-11-052-554A-535	Sequence 525, App
C 709	12.2	64.2	12309	6	US-10-995-561-13450	Sequence 13450, A
C 710	12.2	64.2	12461	6	US-10-775-169-348	Sequence 348, App
C 711	12.2	64.2	13953	7	US-11-124-368A-2830	Sequence 2930, Ap
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C 713	12.2	64.2	15804	6	US-10-995-561-13394	Sequence 13294, A
C 714	12.2	64.2	16371	6	US-10-995-561-13309	Sequence 13329, A
C 715	12.2	64.2	24446	6	US-10-995-561-13436	Sequence 13436, A
C 716	12.2	64.2	30140	7	US-11-052-544-29	Sequence 29, Appl
C 717	12.2	64.2	37827	7	US-11-124-368A-2880	Sequence 2880, Ap
C 718	12.2	64.2	38527	7	US-11-124-368A-2812	Sequence 2912, Ap
C 719	12.2	64.2	38703	7	US-11-052-544-28	Sequence 28, Appl
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C 722	12.2	64.2	56952	7	US-11-124-368A-2909	Sequence 2909, Ap
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C 725	12.2	64.2	65885	6	US-10-995-561-13490	Sequence 13490, A
C 726	12.2	64.2	76589	6	US-10-995-561-13322	Sequence 13322, A
C 727	12.2	64.2	86131	6	US-10-995-561-13298	Sequence 13298, A
C 728	12.2	64.2	90572	7	US-11-124-368A-2800	Sequence 2900, Ap
C 729	12.2	64.2	95832	6	US-10-995-561-13273	Sequence 13273, A
C 730	12.2	64.2	96128	6	US-10-995-561-13197	Sequence 13197, A
C 731	12.2	64.2	115935	6	US-10-775-169-241	Sequence 241, App
C 732	12.2	64.2	119160	7	US-11-121-086-12	Sequence 12, Appl
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C 734	12.2	64.2	134174	7	US-11-121-086-99	Sequence 99, Appl
C 735	12.2	64.2	150038	7	US-11-121-086-23	Sequence 23, Appl
C 736	12.2	64.2	150491	7	US-11-112-908-46	Sequence 46, Appl
C 737	12.2	64.2	155515	7	US-11-112-908-51	Sequence 42, Appl
C 738	12.2	64.2	157224	7	US-11-112-908-51	Sequence 51, Appl
C 739	12.2	64.2	159497	7	US-11-112-908-61	Sequence 61, Appl
C 740	12.2	64.2	159660	7	US-11-112-908-43	Sequence 43, Appl
C 741	12.2	64.2	162289	7	US-11-121-086-20	Sequence 20, Appl
C 742	12.2	64.2	168189	7	US-11-121-086-3	Sequence 3, Appl1
C 743	12.2	64.2	170189	7	US-11-112-908-50	Sequence 50, Appl
C 744	12.2	64.2	175416	7	US-11-121-086-43	Sequence 43, Appl
C 745	12.2	64.2	175673	7	US-11-121-086-55	Sequence 55, Appl
C 746	12.2	64.2	181172	7	US-11-121-086-41	Sequence 41, Appl
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C 748	12	63.2	19	6	US-10-310-914A-1374508	Sequence 1374508
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C 750	12	63.2	19	8	US-11-101-244-227184	Sequence 227184
C 751	12	63.2	19	8	US-11-101-244-704627	Sequence 704627
C 752	12	63.2	19	8	US-11-101-244-1559860	Sequence 1559860
C 753	12	63.2	19	9	US-11-083-784-125808	Sequence 227138

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775	12	63.2	1612	7	US-11-000-463-159	Sequence 159, Appl
776	12	63.2	1673	6	US-11-000-463-237	Sequence 237, App
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778	12	63.2	2005	6	US-10-750-623-62429	Sequence 62429, A
779	12	63.2	2296	7	US-11-000-668-1335	Sequence 1335, Ap
780	12	63.2	2296	7	US-11-136-527-2542	Sequence 2542, Ap
781	12	63.2	3212	7	US-11-000-463-630	Sequence 630, App
782	12	63.2	3212	7	US-11-000-463-630	Sequence 630, App
783	12	63.2	3229	7	US-11-000-463-631	Sequence 631, App
784	12	63.2	3229	7	US-11-000-463-631	Sequence 631, App
785	12	63.2	3329	7	US-11-000-463-631	Sequence 631, App
786	12	63.2	3425	6	US-10-750-185-54815	Sequence 54815, A
787	12	63.2	3425	6	US-10-750-623-54815	Sequence 54815, A
788	12	63.2	5383	7	US-11-136-527-113	Sequence 143, App
789	12	63.2	5618	6	US-10-880-884-19	Sequence 19, Appl
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791	12	63.2	57181	7	US-10-995-561-13350	Sequence 13350, A
792	12	63.2	198285	6	US-10-775-169-338	Sequence 338, App
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794	11.8	62.1	18	6	US-10-310-914A-362423	Sequence 362423
795	11.8	62.1	18	6	US-10-310-914A-979173	Sequence 979173
796	11.8	62.1	19	6	US-10-310-914A-431873	Sequence 431873
797	11.8	62.1	19	6	US-10-310-914A-658871	Sequence 658871
798	11.8	62.1	19	6	US-10-310-914A-1045497	Sequence 1045497
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803	11.8	62.1	19	8	US-11-101-244-921731	Sequence 921731
804	11.8	62.1	19	8	US-11-101-244-1000576	Sequence 1000576
805	11.8	62.1	19	8	US-11-101-244-145164	Sequence 1445164
806	11.8	62.1	19	8	US-11-101-244-145164	Sequence 1445164
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826	11.8	62.1	20	6	US-10-627-952-6	Sequence 6, Appl1
827	11.8	62.1	20	6	US-10-627-952-6	Sequence 6, Appl1

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C 832	11.8	62.1	21	7	US-11-001-347-2035	Sequence 2035, App	C 905	11.8	62.1	540	6	US-11-102-21-17	Sequence 17,	App1
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C 841	11.8	62.1	25	7	US-11-121-849-116522	Sequence 116522,	C 914	11.8	62.1	647	7	US-11-136-527-2487	Sequence 2487,	App
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C 846	11.8	62.1	25	7	US-11-121-849-397364	Sequence 397364,	C 919	11.8	62.1	735	7	US-11-052-554A-444	Sequence 444,	App
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C 848	11.8	62.1	25	7	US-11-121-849-439759	Sequence 439759,	C 921	11.8	62.1	763	6	US-10-750-185-24610	Sequence 24610,	A
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C 854	11.8	62.1	25	7	US-11-136-527-310741	Sequence 310741,	C 927	11.8	62.1	841	6	US-10-750-623-31039	Sequence 31039,	A
C 855	11.8	62.1	25	7	US-11-136-527-310742	Sequence 310742,	C 928	11.8	62.1	886	6	US-10-750-185-64169	Sequence 64169,	A
C 856	11.8	62.1	32	6	US-10-939-294A-17018	Sequence 17018, A	C 929	11.8	62.1	886	6	US-10-750-623-64169	Sequence 64169,	A
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C 858	11.8	62.1	77	6	US-10-310-914A-13658	Sequence 13658, A	C 931	11.8	62.1	887	6	US-10-750-623-28779	Sequence 28779,	A
C 859	11.8	62.1	85	6	US-10-310-914A-9553	Sequence 9553, App	C 932	11.8	62.1	897	6	US-10-750-185-55088	Sequence 55088,	A
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C 891	11.8	62.1	201	6	US-10-995-561-83706	Sequence 83706, A	C 964	11.8	62.1	1400	7	US-11-136-527-6619	Sequence 6619,	App
C 892	11.8	62.1	201	6	US-10-995-561-83718	Sequence 83718, A	C 965	11.8	62.1	1400	7	US-11-128-061-4471	Sequence 4471,	App
C 893	11.8	62.1	201	6	US-10-995-561-83720	Sequence 83720, A	C 966	11.8	62.1	1406	6	US-10-821-234-574	Sequence 574,	App
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990 11.8 62.1 1644 6 US-10-750-185-37019 Sequence 37019, A
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998 11.8 1737 6 US-10-750-623-62787 Sequence 62787, A
C 999 11.8 62.1 1747 6 US-10-821-834-325 Sequence 325, App
C 1000 11.8 62.1 1748 7 US-11-136-527-335 Sequence 335, App

ALIGNMENTS

RESULT 1
US-10-987-663-3
; Sequence 3, Application US/10987663
; Publication No. US20050272118A1
; GENERAL INFORMATION:
; APPLICANT: GENENTECH, INC.
; APPLICANT: CLARK, HILARY
; APPLICANT: EATON, DANIEL L.
; APPLICANT: WRANIK, BERNI
; APPLICANT: CUYANG, WENDON
; APPLICANT: GONZALES, LINO
; APPLICANT: LOYER, KELLY M.
; TITLE OF INVENTION: Novel Compositions and Methods for the Treatment of
; FILE REFERENCE: P1996R1P1-US
; CURRENT APPLICATION NUMBER: US/10/987,663
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 60/421,236
; PRIOR FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: US 10/371,341
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 10
; SEQ ID NO 3
; LENGTH: 1049
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-987-663-3

Query Match 83.2%; Score 15.8; DB 6; Length 1049;
Best Local Similarity 89.5%; Pred. No. 81;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGGAGAGCCCGAAGTCG 19
Db 396 GCGGAGAGCCCGAAGTCG 414

RESULT 2
US-10-858-730-143/C
; Sequence 143, Application US/10858730

; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143
; LENGTH: 3579
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-858-730-143

Query Match 78.9%; Score 15; DB 6; Length 3579;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGT 17
Db 877 GCGAGAGCCCGAAGT 863

RESULT 3
US-11-117-187-204/C
; Sequence 204, Application US/11117187
; Publication No. US20050266560A1
; GENERAL INFORMATION:
; APPLICANT: PREBUS, DAPHNE
; APPLICANT: COPELHAVER, GREGORY
; TITLE OF INVENTION: PLANT ARTIFICIAL CHROMOSOME COMPOSITIONS AND METHODS
; FILE REFERENCE: ARCO:309US
; CURRENT APPLICATION NUMBER: US/11/117,187
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: US/09/531,120
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/125,219
; PRIOR FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 204
; LENGTH: 109974
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-11-117-187-204

Query Match 78.9%; Score 15; DB 7; Length 109974;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 CGAGAGCCCGAAGT 18
Db 22581 CGAGAGCCCGAAGT 22567

RESULT 4
US-11-121-849-40715
; Sequence 40715, Application US/11121849

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; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 40715
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
; US-11-121-849-40715

Query Match          74.7%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 6.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 2 GCGCGAGTGTGCGAACTGC 20

RESULT 5
US-11-121-849-267686/c
; Sequence 267686, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 267686
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
; US-11-121-849-267686

Query Match          74.7%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 6.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 19 GCGCGAGAGCCCGAGCTCC 1

RESULT 6
US-10-750-185-35163/c
; Sequence 35163, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
```

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; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35163
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Bovine 19866881391762
; US-10-750-185-35163

Query Match          74.7%; Score 14.2; DB 6; Length 775;
Best Local Similarity 84.2%; Pred. No. 4.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 60 GCCAGAGAGCCCGCAACTGC 42

RESULT 7
US-10-750-623-35163/c
; Sequence 35163, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35163
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Bovine 19866881391762
; US-10-750-623-35163

Query Match          74.7%; Score 14.2; DB 6; Length 775;
Best Local Similarity 84.2%; Pred. No. 4.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACTGC 19
DB 60 GCCAGAGAGCCCGCAACTGC 42

RESULT 8
US-10-467-657-7411/c
; Sequence 7411, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASTIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqMan99, version 1.04
; SEQ ID NO 7411
```

```

; LENGTH: 930
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7411
Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 930;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 489 GCGGAACAGCCGAGCTGC 471

RESULT 9
US-10-750-185-41160
; Sequence 41160, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41160
; LENGTH: 935
; TYPE: DNA
; ORGANISM: Bovine 1986680772894
US-10-750-185-41160
Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 935;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 280 GCACGAAGCCGAGCTGC 298

RESULT 10
US-10-750-623-41160
; Sequence 41160, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41160
; LENGTH: 935
; TYPE: DNA
; ORGANISM: Bovine 1986680772894
```

```

US-10-750-623-41160
Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 935;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 280 GCACGAAGCCGAGCTGC 298

RESULT 11
US-10-623-155-158
; Sequence 158, Application US/10623155
; Publication No. US20050261166A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Reiter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C20
; CURRENT APPLICATION NUMBER: US/10/623,155
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158
; LENGTH: 2099
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-623-155-158
Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 2099;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAAGCTGC 19
Db 74 GCGCCCGAGCCGAGCTGC 92

RESULT 12
US-11-000-688-560/c
; Sequence 560, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 560
; LENGTH: 2219
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; NAME/KEY: misc feature
; LOCATION: (1)..(2219)
; OTHER INFORMATION: acyl-coenzyme a dehydrogenase, very long
; OTHER INFORMATION: chain(ACADVL) gene.
US-11-000-688-560
Query Match
Best Local Similarity 74.7%; Score 14.2; DB 7; Length 2219;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
Db 1709 GCTCGAGAGCCCGAAGTGC 1691

RESULT 13
US-10-750-185-38086

/ Sequence 38086, Application US/10750185
/ Publication No. US20050260603A1
/ GENERAL INFORMATION:
/ APPLICANT: NMI GENOMICS, INC.
/ APPLICANT: DENISE, Sue K.
/ APPLICANT: KERR, Richard
/ APPLICANT: ROSENFIELD, David
/ APPLICANT: HOLM, Tom
/ APPLICANT: BATES, Stephen
/ APPLICANT: FANTIN, Dennis
/ TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
/ FILE REFERENCE: MM1100-2
/ CURRENT APPLICATION NUMBER: US/10/750,185
/ CURRENT FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 38086
/ LENGTH: 2364
/ TYPE: DNA
/ ORGANISM: Bovine 19866880499151
US-10-750-185-38086

Query Match 74.7%; Score 14.2; DB 6; Length 2364;
Best Local Similarity 84.2%; Pred. No. 4.2e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
Db 1628 GCGTAGAGCCCGAAGTGC 1646

RESULT 14
US-10-750-623-38086

/ Sequence 38086, Application US/10750623
/ Publication No. US20050287531A1
/ GENERAL INFORMATION:
/ APPLICANT: NMI GENOMICS, INC.
/ APPLICANT: DENISE, Sue K.
/ APPLICANT: KERR, Richard
/ APPLICANT: ROSENFIELD, David
/ APPLICANT: HOLM, Tom
/ APPLICANT: BATES, Stephen
/ APPLICANT: FANTIN, Dennis
/ TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
/ FILE REFERENCE: MM1100-1
/ CURRENT APPLICATION NUMBER: US/10/750,623
/ CURRENT FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 38086
/ LENGTH: 2364
/ TYPE: DNA
/ ORGANISM: Bovine 19866880499151
US-10-750-623-38086

Query Match 74.7%; Score 14.2; DB 6; Length 2364;
Best Local Similarity 84.2%; Pred. No. 4.2e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19

Db 1628 GCGTAGAGCCCGAAGTGC 1646

RESULT 15

US-10-131-826A-385/C
/ Sequence 385, Application US/10131826A
/ Publication No. US20050245730A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerltzen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C128
/ CURRENT APPLICATION NUMBER: US/10/131,826A
/ CURRENT FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining prior Application data removed - See file wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 385
/ LENGTH: 2749
/ TYPE: DNA
/ ORGANISM: Homo Sapien
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 1869, 1887
/ OTHER INFORMATION: unknown base
US-10-131-826A-385

Query Match 74.7%; Score 14.2; DB 6; Length 2749;
Best Local Similarity 84.2%; Pred. No. 4.1e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAAGTGC 19
Db 906 GCGTAGAGCCCGAAGTGC 888

RESULT 16

```

US-11-090-739-119
; Sequence 119, Application US/11090739
; Publication No. US20050260639A1
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, Yusuke
; APPLICANT: KATAGIRI, Toyomasa
; APPLICANT: NAKAGAWA, Hiideaki
; TITLE OF INVENTION: METHOD FOR DIAGNOSING PANCREATIC CANCER
; FILE REFERENCE: 082368-003600US
; CURRENT APPLICATION NUMBER: US/11/090,739
; CURRENT FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: PCT/JP2003/011817
; PRIOR FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/555,809
; PRIOR FILING DATE: 2004-03-24
; PRIOR APPLICATION NUMBER: US 60/450,889
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/414,872
; PRIOR FILING DATE: 2002-09-30
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 119
; LENGTH: 3851
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (118)..(3300)
; US-11-090-739-119

```

Query Match	74.7%;	Score 14.2;	DB 7;	Length 3851;
Best Local Similarity	84.2%;	Pred. No. 4e+02;		
Matches	16;	Conservative	0;	Mismatches 3;
				Indels 0;
				Gaps 0;
QY	1	GGCGGAGGCCGGAATGTC	19	
Db	44	GAGCCGAGGCCCGGAATGTC	62	

```

RESULT 17
US-10-895-011-1/c
; Sequence 1, Application US/10895011
; Publication No. US20050281804A1
; GENERAL INFORMATION:
; APPLICANT: KAKKIS, EMIL D.
; TITLE OF INVENTION: METHODS FOR TREATING DISEASES CAUSED BY DEFICIENCIES OF
; TITLE OF INVENTION: RECOMBINANT ALPHA-L-IDURONIDASE
; FILE REFERENCE: 008000051CNUS01
; CURRENT APPLICATION NUMBER: US/10/895,011
; CURRENT FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: US/09/993,241
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 09/711,205
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 09/439,923
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
; LENGTH: 6200
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1568) ... (3510)
US-10-895-011-1

```

Query Match	74.7%	Score 14.2	DB 6	Length 6200
Best Local Similarity	84.2%	Pred. No.3.8e+02		
Matches 16	Conservative 0	Mismatches 3	Indels 0	Gaps 0
Oy	1	GGCGAGAGCCGAACTGC	19	

Db 3066 GCGCTAGCGCCGGAACTGC 3048

```

RESULT 18
US-11-038-372-1/c
? Sequence 1, Application US/11038372
? Publication No. US20050260185X1
? GENERAL INFORMATION:
? APPLICANT: KAKKIS, EMIL D.
? TITLE OF INVENTION: METHODS FOR TREATING DISEASES CAUSED BY DEFICIENCIES OF
? TITLE OF INVENTION: RECOMBINANT ALPHA-L-IDURONIDINASE
? FILE REFERENCE: 008000051CINUS01
? CURRENT APPLICATION NUMBER: US/11/038,372
? CURRENT FILING DATE: 2005-01-18
? PRIOR APPLICATION NUMBER: US/10/895,011
? PRIOR FILING DATE: 2004-07-20
? PRIOR APPLICATION NUMBER: US/09/993,241
? PRIOR FILING DATE: 2001-11-13
? PRIOR APPLICATION NUMBER: 09/711,205
? PRIOR FILING DATE: 2000-11-09
? PRIOR APPLICATION NUMBER: 09/439,923
? PRIOR FILING DATE: 1999-11-12
? NUMBER OF SEQ ID NOS: 2
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 1
? LENGTH: 6200
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (1558)...(3510)
US-11-038-372-1

```

Query Match	74.7%	Score 14.2;	DB 7;	Length 6200;
Best Local Similarity	84.2%	Pred. No. 3.8e+02;		
Matches 16;	Conservative 0;	Mismatches 3;	Indels 0;	Gaps 0;

QY 1 GCGGAGAGCCGAACTGC 19
Db 3066 GCGCTAGCGCCGGAAGTGC 3048

```

RESULT 19
US-10-821-234-451/C
; Sequence 451, Application US/10821234
; Publication No. US20050255114v1
; GENERAL INFORMATION:
;   APPLICANT: Labat, Ivan
;   APPLICANT: Stache-Crain, Birgit
;   APPLICANT: Andarmani, Susan
;   APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 451
;   LENGTH: 7944
;   TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-451

```

	Query Match	74.7%;	Score 14.2;	DB 6;	Length 7944;
	Best Local Similarity	84.2%;	Pred. No. 3.7e+02;		
	Matches 16;	Conservative 0;	Mismatches 3;	Indels 0;	Gaps 0;
QY	1 GCGCGAGGCCGCACTGC	19			
Dd	3257 GCGGGGAGCCCGCACTGC	3239			

```
RESULT 20
US-11-044-111-21/C
; Sequence 21, Application US/11044111
; Publication No. US20050272362A1
; GENERAL INFORMATION:
; APPLICANT: Chiang, Wen
; APPLICANT: Strasburg, Gale
; APPLICANT: Linz, John
; TITLE OF INVENTION: Genetic Test for PSE-Susceptible Turkeys
; FILE REFERENCE: MSU-09308
; CURRENT APPLICATION NUMBER: US/11/044,111
; CURRENT FILING DATE: 2005-01-27
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 21
; LENGTH: 10129
; TYPE: DNA
; ORGANISM: Meleagris gallopavo
US-11-044-111-21

Query Match      74.7%; Score 14.2; DB 7; Length 10129;
Best Local Similarity 84.2%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCGGAAGTGC 19
Db      8145 GCACGAGAGCGAGGAAGTGC 8127

RESULT 21
US-10-310-914A-816897/C
; Sequence 816897, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Kuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1386402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 816897
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-816897

Query Match      72.6%; Score 13.8; DB 6; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3 GCGAGAGCCCGGAAGTGC 19
Db      17 GCGAGAGCCCGCAACTGC 1

RESULT 22
US-10-848-724-2
; Sequence 2, Application US/10848724
; Publication No. US20050261216A1
; GENERAL INFORMATION:
; APPLICANT: Bridget Lollo
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF NANOS 1 EXPRESSION
; FILE REFERENCE: RTS-0732US
; CURRENT APPLICATION NUMBER: US/10/848,724
; CURRENT FILING DATE: 2004-05-18
; NUMBER OF SEQ ID NOS: 121
; SEQ ID NO 2
; LENGTH: 20
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-10-848-724-2

Query Match      72.6%; Score 13.8; DB 6; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCCGGAAGT 17
Db      3 GCGCGAGAGCCCGGAAGT 19

RESULT 23
US-10-849-438-2
; Sequence 2, Application US/10849438
; Publication No. US20050261217A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Bridget Lollo
; TITLE OF INVENTION: MODULATION OF PUMILIO 1 EXPRESSION
; FILE REFERENCE: RTS-0715US
; CURRENT APPLICATION NUMBER: US/10/849,438
; CURRENT FILING DATE: 2004-05-18
; NUMBER OF SEQ ID NOS: 123
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-10-849-438-2

Query Match      72.6%; Score 13.8; DB 6; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGCGAGAGCCCGGAAGT 17
Db      3 GCGCGAGAGCCCGGAAGT 19

RESULT 24
US-10-909-125-2
; Sequence 2, Application US/10909125
; Publication No. US20050261218A1
; GENERAL INFORMATION:
; APPLICANT: Easu, Christine
; APPLICANT: Lollo, Bridget
; APPLICANT: Bennett, C. Frank
; APPLICANT: Freiler, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Koller, Eric
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Egen
; TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT APPLICATION NUMBER: US/10/909,125
; CURRENT FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
```

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; PRIOR APPLICATION NUMBER: US 60/562,417
; PRIOR FILING DATE: 2004-04-14
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
; US-10-909-125-2

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
   ||||| ||||| |||||
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 25
; US-10-515-538-2
; Sequence 2, Application US/10515538
; Publication No. US20050282760A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Kenneth W. Doble
; TITLE OF INVENTION: ANTISENSE MODULATION OF PTPN12 EXPRESSION
; FILE REFERENCE: PTS-0016USA
; CURRENT APPLICATION NUMBER: US/10/515,538
; CURRENT FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 10/172,911
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: PCT/US03/18707
; PRIOR FILING DATE: 2003-06-12
; NUMBER OF SEQ ID NOS: 123
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
; US-10-515-538-2

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
   ||||| ||||| |||||
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 26
; US-10-927-466-2
; Sequence 2, Application US/10927466
; Publication No. US20050282761A1
; GENERAL INFORMATION:
; APPLICANT: George Tachas
; APPLICANT: Kenneth W. Doble
; APPLICANT: Ravi Jain
; APPLICANT: Christopher Ian Belyea
; APPLICANT: Mark Andrew Heffernan
; TITLE OF INVENTION: MODULATION OF GROWTH HORMONE RECEPTOR EXPRESSION AND
; TITLE OF INVENTION: INSULIN LIKE GROWTH
; TITLE OF INVENTION: FACTOR EXPRESSION
; FILE REFERENCE: BIOL0002US
; CURRENT APPLICATION NUMBER: US/10/927,466
; CURRENT FILING DATE: 2004-08-25
; PRIOR APPLICATION NUMBER: US/10/769,526
; PRIOR FILING DATE: 2004-02-26
```

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; PRIOR APPLICATION NUMBER: 60/451,455
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 268
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
; US-10-927-466-2

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
   ||||| ||||| |||||
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 27
; US-10-510-667-53
; Sequence 53, Application US/10510667
; Publication No. US20060003952A1
; GENERAL INFORMATION:
; APPLICANT: Ravikumar, Vasulinga
; APPLICANT: Prakash, Thazha P.
; APPLICANT: Bhat, Balkrishan
; TITLE OF INVENTION: OLIGOMERIC COMPOUNDS HAVING MODIFIED PHOSPHATE GROUPS
; FILE REFERENCE: ISIS-5582
; CURRENT APPLICATION NUMBER: US/10/510,667
; CURRENT FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US03/10840
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 10/119,432
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 53
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(5)
; OTHER INFORMATION: 2'-O-methoxyethyl
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(20)
; OTHER INFORMATION: 2'-O-methoxyethyl
; US-10-510-667-53

Query Match
Best Local Similarity 72.6%; Score 13.8; DB 6; Length 20;
Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGAGAGCCCGAACT 17
   ||||| ||||| |||||
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 28
; US-11-127-654-302
; Sequence 302, Application US/11127654
; Publication No. US20050280726A1
; GENERAL INFORMATION:
; APPLICANT: Krieg, Arthur M.
; APPLICANT: Berg, Daniel J.
; TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC
; TITLE OF INVENTION: INFLAMMATORY DISEASES
; FILE REFERENCE: C1039.7060US01
```


; CURRENT APPLICATION NUMBER: US/11/127,654
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: US 10/112,653
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: US 60/279,642
; PRIOR FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 1040
; SOFTWARE: Patent version 3.2
; SEQ ID NO 302
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
US-11-127-654-302

Query Match 72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAACT 17
| | | | | | | | | | | | | | | | | | | |
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 29
US-11-101-017-13
; Sequence 13, Application US/11/101017
; Publication No. US20050260755A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Kraynak, Bryan A.
; APPLICANT: Sioufi, Nami
; TITLE OF INVENTION: Sequential Delivery Of Oligomeric Compounds
; FILE REFERENCE: ISIS011-100 (CORE003US)
; CURRENT APPLICATION NUMBER: US/11/101,017
; CURRENT FILING DATE: 2005-04-06
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 13
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human JNK-2 antisense
US-11-101-017-13

Query Match 72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAACT 17
| | | | | | | | | | | | | | | | | | | |
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 30
US-11-111-288-11
; Sequence 11, Application US/11/111288
; Publication No. US2005026123A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Sanjay Bhanot
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF GLUCOSE-6-PHOSPHATASE TRANSLOCASE EXPRESSION
; FILE REFERENCE: HTS-0009US
; CURRENT APPLICATION NUMBER: US/11/111,288
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: 60/564,641
; PRIOR FILING DATE: 2004-04-21
; PRIOR APPLICATION NUMBER: 60/576,478
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: 60/615,395

; PRIOR FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 341
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-11-111-288-11

Query Match 72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAACT 17
| | | | | | | | | | | | | | | | | | | |
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 31
US-11-136-815A-2
; Sequence 2, Application US/11/136815A
; Publication No. US20050267065A1
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Erich Koller
; TITLE OF INVENTION: MODULATION OF AURORA B EXPRESSION
; FILE REFERENCE: HTS-0034US
; CURRENT APPLICATION NUMBER: US/11/136,815A
; CURRENT FILING DATE: 2005-05-24
; PRIOR APPLICATION NUMBER: 60/574,053
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/671,903
; PRIOR FILING DATE: 2005-04-15
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-11-136-815A-2

Query Match 72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCGAGAGCCCGAACT 17
| | | | | | | | | | | | | | | | | | | |
Db 3 GCGCGAGAGCCCGAAAT 19

RESULT 32
US-11-066-725-2
; Sequence 2, Application US/11/066725
; Publication No. US20050272680A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals Inc.
; APPLICANT: Sanjay Bhanot
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Xing-Xian Yu
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
; FILE REFERENCE: HTS-0678US.C1
; CURRENT APPLICATION NUMBER: US/11/066,725
; CURRENT FILING DATE: 2005-02-24
; PRIOR APPLICATION NUMBER: US/10/643,801
; PRIOR FILING DATE: 2003-08-18
; PRIOR APPLICATION NUMBER: PCT/US2004/024384
; PRIOR FILING DATE: 2004-08-18
; NUMBER OF SEQ ID NOS: 492

```
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-11-066-725-2

Query Match      72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAT 17
Db      3 GCGCGAGAGCCCGAAT 19

RESULT 33
US-11-124-020A-8
; Sequence 8, Application US/11124020A
; Publication No. US20050287558A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Steven Mah
; TITLE OF INVENTION: SNPS OF APOLIPOPROTEIN B AND MODULATION
; TITLE OF INVENTION: OF THEIR EXPRESSION
; FILE REFERENCE: BIOL0021US
; CURRENT APPLICATION NUMBER: US/11/124,020A
; CURRENT FILING DATE: 2005-05-05
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-11-124-020A-8

Query Match      72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAT 17
Db      3 GCGCGAGAGCCCGAAT 19

RESULT 34
US-11-004-762-36
; Sequence 36, Application US/11004762
; Publication No. US20060003953A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Madeline W. Butler
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Joshua Finger
; APPLICANT: Ravi Jain
; APPLICANT: Robert McKay
; APPLICANT: Brett P. Monia
; APPLICANT: Kathleen Myers
; TITLE OF INVENTION: Compositions and their uses directed to bone growth modulators
; FILE REFERENCE: BIOL0050US
; CURRENT APPLICATION NUMBER: US/11/004,762
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,370
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,173
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,172
; PRIOR FILING DATE: 2003-12-04
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; PRIOR APPLICATION NUMBER: US 60/527,420
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,174
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/527,397
; PRIOR FILING DATE: 2003-12-04
; NUMBER OF SEQ ID NOS: 680
; SOFTWARE: Patentseq version 1.0
; SEQ ID NO 36
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-11-004-762-36

Query Match      72.6%; Score 13.8; DB 7; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAT 17
Db      3 GCGCGAGAGCCCGAAT 19

RESULT 35
US-11-072-806-24
; Sequence 24, Application US/11072806
; Publication No. US20050245474A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Kraynack, Bryan A.
; TITLE OF INVENTION: DOUBLE STRANDED CONSTRUCTS COMPRISING ONE OR MORE SHORT STRANDS H
; TITLE OF INVENTION: TO A LONGER STRAND
; FILE REFERENCE: COR0036US
; CURRENT APPLICATION NUMBER: US/11/072,806
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 60/551,670
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
; NAME/KEY: misc_feature
; LOCATION: 1-5, 15-20
; OTHER INFORMATION: bases at these positions are RNA
US-11-072-806-24

Query Match      72.6%; Score 13.8; DB 9; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCGAGAGCCCGAAT 17
Db      3 GCGCGAGAGCCCGAAT 19

RESULT 36
US-11-097-928-2
; Sequence 2, Application US/11097928
; Publication No. US20050244869A1
; GENERAL INFORMATION:
; APPLICANT: Vickie L. Brown-Driver
; APPLICANT: Ravi Jain
; TITLE OF INVENTION: MODULATION OF TRANSDHYRETIN EXPRESSION
; FILE REFERENCE: RTS-0531US
; CURRENT APPLICATION NUMBER: US/11/097,928
; CURRENT FILING DATE: 2005-04-01
```

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; NUMBER OF SEQ ID NOS: 133
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Compound
US-11-097-928-2

Query Match      72.6%; Score 13.8; DB 9; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGGAGAGCCCGACT 17
        |||||
Db      3 GCGGAGAGCCCGAAT 19

RESULT 37
US-11-001-347-2005/c
; Sequence 2005, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MBHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; PRIOR FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,653
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT/US03/05346
; PRIOR FILING DATE: 2003-02-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2362
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2005
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: misc_feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moiety
; NAME/KEY: misc_feature
; LOCATION: (1)..(2)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; NAME/KEY: misc_feature
; LOCATION: (3)..(3)
```

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; OTHER INFORMATION: 2'-deoxy
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (5)..(6)
; OTHER INFORMATION: 2'-deoxy
; NAME/KEY: misc_feature
; LOCATION: (7)..(10)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)..(12)
; OTHER INFORMATION: 2'-deoxy
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (13)..(17)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (18)..(18)
; OTHER INFORMATION: 2'-deoxy
; NAME/KEY: misc_feature
; LOCATION: (19)..(19)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (21)..(21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moiety
US-11-001-347-2005

Query Match      72.6%; Score 13.8; DB 7; Length 21;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3 GCGAGAGCCCGAAGCTGC 19
        |||||
Db      19 GCGAGAGCCCGAAGCTGC 3

RESULT 38
US-11-001-347-2037
; Sequence 2037, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MBHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
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; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT/US03/05346
; PRIOR FILING DATE: 2003-02-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2362
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2037
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: misc feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3)..(7)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (8)..(9)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (10)..(13)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)..(16)
; OTHER INFORMATION: 2'-O-methyl
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (17)..(17)
; OTHER INFORMATION: 2'-deoxy-2'-Fluoro
; NAME/KEY: misc feature
; LOCATION: (18)..(19)
; OTHER INFORMATION: 2'-O-methyl
; OTHER INFORMATION: 2'-O-methyl
US-11-001-347-2037

Query Match      72.6%; Score 13.8; DB 7; Length 21;
Best Local Similarity 82.4%; Pred. No. 1.1e+03;
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      3  GCGAGAGCCCGAAGCTGC 19
Db      1  GCGAGAGCCGAGAGCTGC 17

RESULT 39
US-11-001-347-1823/C
; Sequence 1823, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MBHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; CURRENT FILING DATE: 2004-12-01
```

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; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT/US03/05346
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2362
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1823
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-001-347-1823

Query Match      72.6%; Score 13.8; DB 7; Length 23;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3  GCGAGAGCCCGAAGCTGC 19
Db      23 GCGAGAGCCGAGAGCTGC 7

RESULT 40
US-11-001-347-1824/C
; Sequence 1824, Application US/11001347
; Publication No. US20050261219A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Richards, Ivan
; APPLICANT: Polisky, Barry
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RNA interference Mediated Inhibition of Interleukin and
; TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
; FILE REFERENCE: 400/239 (MBHB03-084-G)
; CURRENT APPLICATION NUMBER: US/11/001,347
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 10/922,675
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 10/863,973
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: PCT/US03/04566
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/US04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
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PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2362
SOFTWARE: PatentIn version 3.3
SEQ ID NO 1824
LENGTH: 23
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-001-347-1824

Query Match 72.6%; Score 13.8; DB 7; Length 23;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGCTGC 19
|||||
DB 22 GCGAGAGCCCGAAGCTGC 6

RESULT 41
US-11-001-347-1825/c
Sequence 1825, Application US/11001347
Publication No. US20050261219A1
GENERAL INFORMATION:
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: Richards, Ivan
APPLICANT: Polisky, Barry
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Interleukin and
TITLE OF INVENTION: Interleukin Receptor Gene Expression Using Short Interfering
FILE REFERENCE: 400/239 (MHB03-084-G)
CURRENT APPLICATION NUMBER: US/11/001,347
CURRENT FILING DATE: 2004-12-01
PRIOR APPLICATION NUMBER: US 10/922,675
PRIOR FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: US 10/863,973
PRIOR FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: PCT/US03/04566
PRIOR FILING DATE: 2003-02-14
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2362
SOFTWARE: PatentIn version 3.3
SEQ ID NO 1825
LENGTH: 23
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-001-347-1825

Query Match 72.6%; Score 13.8; DB 7; Length 23;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 3 GCGAGAGCCCGAAGCTGC 19

|||||
DB 21 GCGAGAGCCCGAAGCTGC 5

RESULT 42
US-11-136-527-284853/c
Sequence 284853, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 284853
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Probe
US-11-136-527-284853

Query Match 72.6%; Score 13.8; DB 7; Length 25;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGCTGC 19
|||||
DB 18 GCGAGAGCCCGAAGCTGC 2

RESULT 43
US-11-136-527-1917/c
Sequence 1917, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1917
LENGTH: 443
TYPE: DNA
ORGANISM: Rattus norvegicus
US-11-136-527-1917

Query Match 72.6%; Score 13.8; DB 7; Length 443;
Best Local Similarity 88.2%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCGAGAGCCCGAAGCTGC 19
|||||
DB 35 GCGAGAGCCCGAAGCTGC 19

RESULT 44
US-11-136-527-6013/c
Sequence 6013, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M

```

; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6013
; LENGTH: 443
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-6013

Query Match      72.6%; Score 13.8; DB 7; Length 443;
Best Local Similarity 88.2%; Pred. No. 7.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3 GCGAGAGCCCGAACTGC 19
Db      35 GCGAGAGCCCGAACTGC 19

RESULT 45
US-11-136-527-6062/c
; Sequence 6062, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6062
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-6062

Query Match      72.6%; Score 13.8; DB 7; Length 600;
Best Local Similarity 78.9%; Pred. No. 7.5e+02;
Matches 15; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      1 GCGGAGAGCCCGAACTGC 19
Db      177 GCACAGAGCCCGAAAGAGC 159

RESULT 46
US-10-750-185-25739/c
; Sequence 25739, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
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; SEQ ID NO 25739
; LENGTH: 2003
; TYPE: DNA
; ORGANISM: Bovine 1986680290468
US-10-750-185-25739

Query Match      72.6%; Score 13.8; DB 6; Length 2003;
Best Local Similarity 88.2%; Pred. No. 6.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGGAGAGCCCGAACT 17
Db      1221 GAGCGAGGCGCCGAACT 1205

RESULT 47
US-10-750-623-25739/c
; Sequence 25739, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25739
; LENGTH: 2003
; TYPE: DNA
; ORGANISM: Bovine 1986680290468
US-10-750-623-25739

Query Match      72.6%; Score 13.8; DB 6; Length 2003;
Best Local Similarity 88.2%; Pred. No. 6.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 GCGGAGAGCCCGAACT 17
Db      1221 GAGCGAGGCGCCGAACT 1205

RESULT 48
US-11-136-527-1966/c
; Sequence 1966, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1966
; LENGTH: 2329
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-1966

Query Match      72.6%; Score 13.8; DB 7; Length 2329;
Best Local Similarity 78.9%; Pred. No. 6.5e+02;
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Matches 15; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGCGAGAGCCGGAAGTGC 19

Db 1906 GCACGAGAGCCGGAAGGC 1888

RESULT 49

US-11-000-688-1278/c

Sequence 1278, Application US/11000688

Publication No. US20050287544A1

GENERAL INFORMATION:

APPLICANT: BERTUCCI, Francois

APPLICANT: HOULEGATE, Remi

APPLICANT: BIRBAUM, Daniel

TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS

FILE REFERENCE: 1423-R-03

CURRENT APPLICATION NUMBER: US/11/000,688

PRIOR FILING DATE: 2004-12-01

PRIOR FILING DATE: 2003-12-01

NUMBER OF SEQ ID NOS: 1596

SOFTWARE: PatentIn version 3.2

SEQ ID NO 1278

LENGTH: 2774

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: Description of Artificial sequences: primer

FEATURE:

NAME/KEY: misc feature

LOCATION: (1)-(2774)

OTHER INFORMATION: epidermal growth factor receptor substrate

OTHER INFORMATION: eps1sr(eps1sr) gene.

US-11-000-688-1278

Query Match 72.6%; Score 13.8; DB 7; Length 2774;

Best Local Similarity 88.2%; Pred. No. 6.4e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCGAGAGCCGGAAGTGC 18

Db 1132 CGAGAGAGCTGGAAGTGC 1116

RESULT 50

US-10-131-826A-113/c

Sequence 113, Application US/10131826A

Publication No. US20050245730A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerlitsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C128

CURRENT APPLICATION NUMBER: US/10/131,826A

CURRENT FILING DATE: 2002-04-24

PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059184

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 113

LENGTH: 3323

TYPE: DNA

ORGANISM: Homo Sapien

US-10-131-826A-113

Query Match 72.6%; Score 13.8; DB 6; Length 3323;

Best Local Similarity 88.2%; Pred. No. 6.3e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCGAGAGCCGGAAGTGC 18

Db 858 CGCGAGAGCTGGAAGTGC 842

Search completed: January 12, 2006, 01:34:37
Job time : 281.249 secs

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C 98	14.4	75.8	404	3	US-09-234-993-8	Sequence 8, Appl1	C 171	14.2	74.7	495	3	US-09-902-540-6611	Sequence 6611, Ap
C 99	14.4	75.8	404	3	US-09-865-171-8	Sequence 8, Appl1	C 172	14.2	74.7	501	3	US-09-188-930-37	Sequence 37, Appl1
C 100	14.4	75.8	449	3	US-09-040-984-20	Sequence 20, Appl1	C 173	14.2	74.7	501	3	US-09-188-930-37	Sequence 207, App
C 101	14.4	75.8	449	3	US-09-123-912-20	Sequence 20, Appl1	C 174	14.2	74.7	501	3	US-09-312-283C-37	Sequence 37, Appl1
C 102	14.4	75.8	449	3	US-09-643-597-20	Sequence 20, Appl1	C 175	14.2	74.7	501	3	US-09-312-283C-207	Sequence 207, App
C 103	14.4	75.8	449	3	US-09-480-884A-20	Sequence 20, Appl1	C 176	14.2	74.7	531	3	US-09-404-879A-94	Sequence 94, Appl1
C 104	14.4	75.8	449	3	US-09-542-615A-20	Sequence 20, Appl1	C 177	14.2	74.7	531	3	US-09-338-933-94	Sequence 94, Appl1
C 105	14.4	75.8	449	3	US-09-606-421B-20	Sequence 20, Appl1	C 178	14.2	74.7	531	3	US-09-215-681-94	Sequence 94, Appl1
C 106	14.4	75.8	449	3	US-09-221-107-20	Sequence 20, Appl1	C 179	14.2	74.7	531	3	US-09-216-003A-94	Sequence 94, Appl1
C 107	14.4	75.8	449	3	US-09-466-396A-20	Sequence 20, Appl1	C 180	14.2	74.7	531	3	US-09-667-857-94	Sequence 94, Appl1
C 108	14.4	75.8	449	3	US-09-476-496A-20	Sequence 20, Appl1	C 181	14.2	74.7	531	3	US-10-198-053-94	Sequence 94, Appl1
C 109	14.4	75.8	449	3	US-09-630-940B-20	Sequence 20, Appl1	C 182	14.2	74.7	531	3	US-09-827-271-94	Sequence 94, Appl1
C 110	14.4	75.8	449	3	US-09-285-479-20	Sequence 20, Appl1	C 183	14.2	74.7	600	3	US-09-270-767-2953	Sequence 2853, Ap
C 111	14.4	75.8	449	3	US-10-007-700-20	Sequence 20, Appl1	C 184	14.2	74.7	600	3	US-09-270-767-18335	Sequence 18135, A
C 112	14.4	75.8	449	3	US-09-220-528-73	Sequence 73, Appl1	C 185	14.2	74.7	601	3	US-09-949-016-45834	Sequence 45834, A
C 113	14.4	75.8	488	3	US-09-520-528-74	Sequence 74, Appl1	C 186	14.2	74.7	601	3	US-09-949-016-45856	Sequence 45856, A
C 114	14.4	75.8	488	3	US-09-513-999C-10507	Sequence 10507, A	C 187	14.2	74.7	601	3	US-09-949-016-136624	Sequence 136624, A
C 115	14.4	75.8	488	3	US-09-621-976-1523	Sequence 1523, Ap	C 188	14.2	74.7	601	3	US-09-949-016-138244	Sequence 138244, A
C 116	14.4	75.8	601	3	US-09-949-016-93946	Sequence 93946, A	C 189	14.2	74.7	601	3	US-09-949-016-138245	Sequence 138245, A
C 117	14.4	75.8	604	3	US-09-702-705-258	Sequence 258, App	C 190	14.2	74.7	615	3	US-09-902-540-6106	Sequence 6106, Ap
C 118	14.4	75.8	604	3	US-09-736-457-258	Sequence 258, App	C 191	14.2	74.7	666	3	US-09-902-540-8333	Sequence 8333, Ap
C 119	14.4	75.8	604	3	US-09-614-124B-258	Sequence 258, App	C 192	14.2	74.7	666	3	US-09-489-039A-1828	Sequence 1828, Ap
C 120	14.4	75.8	604	3	US-09-671-325-258	Sequence 258, App	C 193	14.2	74.7	696	3	US-09-902-540-4012	Sequence 4012, Ap
C 121	14.4	75.8	604	3	US-09-589-184-258	Sequence 258, App	C 194	14.2	74.7	697	3	US-09-533-559-6869	Sequence 6869, Ap
C 122	14.4	75.8	604	3	US-09-658-824-258	Sequence 258, App	C 195	14.2	74.7	705	3	US-09-489-039A-4811	Sequence 4811, Ap
C 123	14.4	75.8	604	3	US-10-017-754-258	Sequence 258, App	C 196	14.2	74.7	723	3	US-09-252-991A-3879	Sequence 3879, Ap
C 124	14.4	75.8	604	3	US-09-651-563-258	Sequence 258, App	C 197	14.2	74.7	738	3	US-09-252-991A-11678	Sequence 11678, A
C 125	14.4	75.8	604	3	US-09-519-642-258	Sequence 258, App	C 198	14.2	74.7	744	3	US-09-910-174B-30	Sequence 30, Appl1
C 126	14.4	75.8	633	3	US-08-998-416-1115	Sequence 1115, Ap	C 199	14.2	74.7	806	3	US-09-270-767-854	Sequence 854, App
C 127	14.4	75.8	815	3	US-09-533-559-1115	Sequence 1115, Ap	C 200	14.2	74.7	825	3	US-10-321-188-41	Sequence 16136, A
C 128	14.4	75.8	944	3	US-09-949-016-1462	Sequence 1462, Ap	C 201	14.2	74.7	840	3	US-09-902-540-5206	Sequence 5206, Ap
C 129	14.4	75.8	1144	3	US-09-799-451-278	Sequence 278, App	C 202	14.2	74.7	885	3	US-09-270-767-13175	Sequence 13175, A
C 130	14.4	75.8	1437	3	US-09-647-224A-9	Sequence 9, Appl1	C 203	14.2	74.7	912	3	US-09-489-039A-6773	Sequence 6773, Ap
C 131	14.4	75.8	1474	3	US-09-147-955-3	Sequence 3, Appl1	C 204	14.2	74.7	918	3	US-09-540-236-1092	Sequence 1092, Ap
C 132	14.4	75.8	1547	3	US-09-585-228-3	Sequence 3, Appl1	C 205	14.2	74.7	921	3	US-09-489-039A-2423	Sequence 2423, Ap
C 133	14.4	75.8	1583	3	US-08-976-255-8	Sequence 8, Appl1	C 206	14.2	74.7	951	3	US-09-902-540-5271	Sequence 5271, Ap
C 134	14.4	75.8	2142	3	US-09-614-321A-331	Sequence 331, App	C 207	14.2	74.7	976	3	US-09-902-540-5206	Sequence 5206, Ap
C 135	14.4	75.8	2142	3	US-09-467-558B-407	Sequence 407, App	C 208	14.2	74.7	976	3	US-09-270-767-13175	Sequence 13175, A
C 136	14.4	75.8	2275	3	US-10-197-220-154	Sequence 154, App	C 209	14.2	74.7	987	3	US-09-252-991A-11559	Sequence 11559, A
C 137	14.4	75.8	2528	3	US-09-234-393-37	Sequence 37, Appl1	C 210	14.2	74.7	997	3	US-09-270-767-10146	Sequence 10146, A
C 138	14.4	75.8	2528	3	US-09-234-393-41	Sequence 41, Appl1	C 211	14.2	74.7	999	3	US-09-252-991A-15664	Sequence 15664, A
C 139	14.4	75.8	2528	3	US-09-865-171-37	Sequence 37, Appl1	C 212	14.2	74.7	1008	3	US-09-489-039A-2114	Sequence 2114, Ap
C 140	14.4	75.8	2528	3	US-09-865-171-41	Sequence 41, Appl1	C 213	14.2	74.7	1012	2	US-09-489-039A-5515	Sequence 5515, Ap
C 141	14.4	75.8	2528	3	US-10-041-007-13	Sequence 13, Appl1	C 214	14.2	74.7	1012	2	US-07-971-096-1	Sequence 1, Appl1
C 142	14.4	75.8	2571	3	US-09-234-393-12	Sequence 12, Appl1	C 215	14.2	74.7	1072	2	US-08-175-096-1	Sequence 1, Appl1
C 143	14.4	75.8	2571	3	US-09-865-171-12	Sequence 12, Appl1	C 216	14.2	74.7	1074	3	US-09-252-991A-15694	Sequence 15694, A
C 144	14.4	75.8	2728	3	US-09-799-451-620	Sequence 620, App	C 217	14.2	74.7	1092	3	US-09-902-540-8801	Sequence 8801, Ap
C 145	14.4	75.8	3573	3	US-09-902-540-5020	Sequence 5020, App	C 218	14.2	74.7	1103	3	US-10-321-188-37	Sequence 37, Appl1
C 146	14.4	75.8	3777	3	US-09-902-540-2062	Sequence 2062, Ap	C 219	14.2	74.7	1104	3	US-10-321-188-36	Sequence 36, Appl1
C 147	14.4	75.8	5400	3	US-09-134-000C-1773	Sequence 1773, Ap	C 220	14.2	74.7	1116	3	US-08-993-088A-18	Sequence 18, Appl1
C 148	14.4	75.8	6224	3	US-09-774-528-91	Sequence 91, Appl1	C 221	14.2	74.7	1116	3	US-08-993-088A-19	Sequence 19, Appl1
C 149	14.4	75.8	6224	3	US-10-120-988-91	Sequence 91, Appl1	C 222	14.2	74.7	1116	3	US-08-993-424B-18	Sequence 18, Appl1
C 150	14.4	75.8	6975	3	US-09-902-540-2386	Sequence 2386, Ap	C 223	14.2	74.7	1116	3	US-09-603-680-18	Sequence 18, Appl1
C 151	14.4	75.8	9785	2	US-08-319-387-1	Sequence 1, Appl1	C 224	14.2	74.7	1116	3	US-09-603-680-19	Sequence 19, Appl1
C 152	14.4	75.8	10733	3	US-09-949-016-16876	Sequence 16876, A	C 225	14.2	74.7	1119	2	US-08-626-685A-7	Sequence 7, Appl1
C 153	14.4	75.8	17335	3	US-09-902-540-1103	Sequence 1103, Ap	C 226	14.2	74.7	1119	2	US-08-993-088A-6	Sequence 6, Appl1
C 154	14.4	75.8	18149	3	US-09-949-016-13204	Sequence 13204, A	C 227	14.2	74.7	1164	3	US-08-993-424B-6	Sequence 6, Appl1
C 155	14.4	75.8	18157	3	US-09-949-016-16133	Sequence 16133, A	C 228	14.2	74.7	1164	3	US-09-603-680-6	Sequence 6, Appl1
C 156	14.4	75.8	28054	3	US-09-902-540-1248	Sequence 1248, Ap	C 229	14.2	74.7	1164	3	US-09-826-509-504	Sequence 504, App
C 157	14.4	75.8	183770	3	US-09-949-016-15494	Sequence 15494, A	C 230	14.2	74.7	1193	3	US-08-899-1128-7	Sequence 7, Appl1
C 158	14.4	75.8	200663	3	US-09-949-016-12559	Sequence 12559, A	C 231	14.2	74.7	1193	3	US-09-011-553-1	Sequence 1, Appl1
C 159	14.4	75.8	203093	3	US-09-949-016-14445	Sequence 14445, A	C 232	14.2	74.7	1213	2	US-08-554-612C-14	Sequence 14, Appl1
C 160	14.4	75.8	209210	3	US-09-949-016-15094	Sequence 15094, A	C 233	14.2	74.7	1213	3	US-09-533-559-6223	Sequence 6223, Ap
C 161	14.4	75.8	374159	3	US-09-949-016-15868	Sequence 15868, A	C 234	14.2	74.7	1219	3	US-08-881-700A-3	Sequence 3, Appl1
C 162	14.4	74.7	48	3	US-09-563-096A-2	Sequence 2, Appl1	C 235	14.2	74.7	1254	3	US-09-902-540-221	Sequence 221, App
C 163	14.2	74.7	96	3	US-08-484-322-35	Sequence 35, Appl1	C 236	14.2	74.7	1284	3	US-09-489-039A-9841	Sequence 841, App
C 164	14.2	74.7	250	3	US-09-270-767-29085	Sequence 29085, A	C 237	14.2	74.7	1285	3	US-09-949-016-1480	Sequence 1480, Ap
C 165	14.2	74.7	255	2	US-08-673-190A-8	Sequence 8, Appl1	C 238	14.2	74.7	1336	3	US-09-328-352-2619	Sequence 2619, Ap
C 166	14.2	74.7	345	3	US-09-489-039A-2527	Sequence 2527, Ap	C 239	14.2	74.7	1331	3	US-09-023-655-579	Sequence 579, App
C 167	14.2	74.7	346	3	US-09-513-999C-12213	Sequence 12213, A	C 240	14.2	74.7	1365	3	US-08-899-1128-27	Sequence 27, Appl1
C 168	14.2	74.7	417	3	US-09-252-991A-11614	Sequence 11614, A	C 241	14.2	74.7	1365	3	US-09-011-553-3	Sequence 4, Appl1
C 169	14.2	74.7	423	3	US-09-252-991A-3928	Sequence 3928, Ap	C 242	14.2	74.7	1432	3	US-09-489-039A-6851	Sequence 6851, Ap
C 170	14.2	74.7	457	3	US-09-621-976-8292	Sequence 8292, Ap	C 243	14.2	74.7	1432	3	US-09-902-540-4117	Sequence 4117, Ap

C 244	14.2	74.7	1488	3	US-09-489-039A-5255	Sequence 5255, Ap	317	14.2	74.7	4621	3	US-09-125-635-9	Sequence 9, Appl1
C 245	14.2	74.7	1494	3	US-09-252-991A-8565	Sequence 8565, Ap	318	14.2	74.7	4660	3	US-09-445-353B-1	Sequence 1, Appl1
246	14.2	74.7	1494	3	US-09-489-039A-5193	Sequence 5193, Ap	319	14.2	74.7	5444	3	US-09-996-617-7	Sequence 1, Appl1
247	14.2	74.7	1508	2	US-08-554-612C-16	Sequence 16, Appl	C 320	14.2	74.7	5700	3	US-09-949-016-15167	Sequence 15167, A
248	14.2	74.7	1530	3	US-09-252-991A-3899	Sequence 3899, Ap	321	14.2	74.7	5843	2	US-08-554-612C-2	Sequence 2, Appl1
C 249	14.2	74.7	1548	2	US-08-762-106-5	Sequence 5, Appl1	322	14.2	74.7	6017	3	US-09-949-016-5825	Sequence 5825, Ap
C 250	14.2	74.7	1548	3	US-09-320-774-5	Sequence 5, Appl1	C 323	14.2	74.7	6122	2	US-08-403-545-1	Sequence 1, Appl1
251	14.2	74.7	1572	3	US-09-489-039A-5714	Sequence 5714, Ap	C 324	14.2	74.7	6122	2	US-08-404-381-1	Sequence 1, Appl1
C 252	14.2	74.7	1573	3	US-09-771-161A-1	Sequence 1, Appl1	325	14.2	74.7	6156	3	US-08-891-640-1	Sequence 1, Appl1
C 253	14.2	74.7	1581	2	US-08-762-106-6	Sequence 6, Appl1	326	14.2	74.7	6156	3	US-09-723-535-3	Sequence 3, Appl1
C 254	14.2	74.7	1581	3	US-09-320-774-6	Sequence 6, Appl1	327	14.2	74.7	6156	3	US-09-949-016-867	Sequence 867, App
C 255	14.2	74.7	1581	3	US-09-252-991A-11831	Sequence 11831, A	328	14.2	74.7	6156	3	US-09-842-256-1	Sequence 1, Appl1
256	14.2	74.7	1599	3	US-09-949-016-5375	Sequence 5375, Ap	329	14.2	74.7	6200	3	US-09-439-923-1	Sequence 1, Appl1
C 257	14.2	74.7	1610	3	US-09-902-540-277	Sequence 277, App	330	14.2	74.7	6200	3	US-09-711-202A-1	Sequence 1, Appl1
C 258	14.2	74.7	1617	3	US-09-489-039A-476	Sequence 476, App	331	14.2	74.7	6200	3	US-09-911-205A-1	Sequence 1, Appl1
C 259	14.2	74.7	1630	3	US-08-665-034A-1	Sequence 1, Appl1	332	14.2	74.7	6200	3	US-09-693-241-1	Sequence 1, Appl1
260	14.2	74.7	1707	3	US-09-489-039A-3798	Sequence 3798, Ap	333	14.2	74.7	6238	3	US-09-639-696C-6	Sequence 6, Appl1
C 261	14.2	74.7	1714	3	US-08-981-700A-1	Sequence 1, Appl1	334	14.2	74.7	6250	3	US-09-949-016-13422	Sequence 1322, A
C 262	14.2	74.7	1734	9	5352575-8	Patent No. 5352575	335	14.2	74.7	7482	3	US-09-949-016-15564	Sequence 15564, A
263	14.2	74.7	1772	9	536025-3	Patent No. 536025	336	14.2	74.7	7518	3	US-09-902-540-870	Sequence 870, App
264	14.2	74.7	1772	9	US-08-336-257A-2	Sequence 2, Appl1	337	14.2	74.7	8310	3	US-08-870-126-11	Sequence 11, Appl
265	14.2	74.7	1784	2	US-08-554-612C-13	Sequence 13, Appl	338	14.2	74.7	8310	3	US-09-445-247-11	Sequence 11, Appl
C 266	14.2	74.7	1878	3	US-09-902-540-5812	Sequence 5812, Ap	C 339	14.2	74.7	9367	3	US-09-902-540-951	Sequence 951, App
267	14.2	74.7	1908	3	US-09-417-197-124	Sequence 124, App	C 340	14.2	74.7	9364	3	US-09-902-540-1026	Sequence 1026, Ap
C 268	14.2	74.7	1958	3	US-08-665-034A-3	Sequence 3, Appl1	C 341	14.2	74.7	11854	3	US-09-902-540-1037	Sequence 1037, Ap
269	14.2	74.7	1958	3	US-09-949-016-1420	Sequence 1420, Ap	C 342	14.2	74.7	13256	3	US-09-902-540-1006	Sequence 1006, Ap
270	14.2	74.7	1965	3	US-09-489-039A-777	Sequence 777, App	343	14.2	74.7	14985	2	US-08-652-972A-6	Sequence 6, Appl1
271	14.2	74.7	2015	3	US-10-104-047-868	Sequence 868, App	344	14.2	74.7	14985	6	PCT-US96-06231A-6	Sequence 6, Appl1
C 272	14.2	74.7	2112	3	US-09-489-039A-3649	Sequence 3649, Ap	345	14.2	74.7	15447	3	US-09-902-540-1100	Sequence 1100, Ap
C 273	14.2	74.7	2155	3	US-09-191-171-4	Sequence 4, Appl1	C 346	14.2	74.7	17730	3	US-09-949-016-12123	Sequence 12123, A
274	14.2	74.7	2155	3	US-09-385-707-4	Sequence 4, Appl1	C 347	14.2	74.7	17731	3	US-09-949-016-13472	Sequence 13472, A
275	14.2	74.7	2155	3	US-09-639-696C-4	Sequence 9, Appl1	348	14.2	74.7	26533	3	US-09-902-540-1199	Sequence 1199, Ap
276	14.2	74.7	2155	3	US-09-917-254-30	Sequence 30, Appl	C 349	14.2	74.7	30783	3	US-09-802-540-1258	Sequence 1258, Ap
C 277	14.2	74.7	2200	2	US-08-626-685A-9	Sequence 9, Appl1	C 350	14.2	74.7	31063	3	US-09-596-002-20	Sequence 20, Appl1
C 278	14.2	74.7	2200	3	US-08-993-088A-1	Sequence 1, Appl1	351	14.2	74.7	39113	3	US-09-949-016-15634	Sequence 15634, A
C 279	14.2	74.7	2200	3	US-08-993-424B-1	Sequence 1, Appl1	352	14.2	74.7	47787	3	US-09-949-016-11569	Sequence 11669, A
C 280	14.2	74.7	2200	3	US-09-603-680-1	Sequence 1, Appl1	353	14.2	74.7	63183	3	US-09-949-016-13048	Sequence 13048, A
C 281	14.2	74.7	2200	3	US-08-899-112B-9	Sequence 9, Appl1	354	14.2	74.7	63183	3	US-09-949-016-13048	Sequence 13048, A
C 282	14.2	74.7	2200	3	US-09-011-553-3	Sequence 3, Appl1	355	14.2	74.7	63183	3	US-09-949-016-13048	Sequence 13048, A
C 283	14.2	74.7	2234	3	US-08-993-088A-8	Sequence 8, Appl1	356	14.2	74.7	72704	3	US-09-902-540-1273	Sequence 1273, Ap
C 284	14.2	74.7	2234	3	US-08-993-424B-8	Sequence 8, Appl1	357	14.2	74.7	90724	3	US-09-949-016-1783	Sequence 1783, A
C 285	14.2	74.7	2234	3	US-09-603-680-8	Sequence 8, Appl1	C 358	14.2	74.7	90724	3	US-09-949-016-16601	Sequence 16601, A
C 286	14.2	74.7	2259	3	US-09-489-039A-3024	Sequence 3024, Ap	C 359	14.2	74.7	12609	3	US-09-949-016-13915	Sequence 13915, A
C 287	14.2	74.7	2417	2	US-07-953-695A-1	Sequence 1, Appl1	360	14.2	74.7	129415	3	US-09-949-016-16997	Sequence 16997, A
C 288	14.2	74.7	2417	2	US-08-267-259-1	Sequence 1, Appl1	C 361	14.2	74.7	130298	3	US-09-949-016-15664	Sequence 15664, A
C 289	14.2	74.7	2457	3	US-09-489-039A-5741	Sequence 5741, Ap	362	14.2	74.7	143928	3	US-09-949-016-15444	Sequence 15444, A
C 290	14.2	74.7	2484	3	US-09-252-991A-3872	Sequence 3872, Ap	C 363	14.2	74.7	229354	3	US-09-705-400-64	Sequence 64, Appl
C 291	14.2	74.7	2493	3	US-09-252-991A-4048	Sequence 4048, Ap	C 364	14.2	74.7	229354	3	US-09-705-400-64	Sequence 64, Appl
C 292	14.2	74.7	2502	3	US-09-489-039A-1765	Sequence 1765, Ap	365	14.2	74.7	325034	3	US-09-949-016-14957	Sequence 14957, A
C 293	14.2	74.7	2529	3	US-09-902-540-7018	Sequence 7018, Ap	366	14.2	74.7	389504	3	US-09-949-016-11774	Sequence 11774, A
C 294	14.2	74.7	2547	3	US-09-489-039A-6602	Sequence 6602, Ap	367	14.2	74.7	4998	3	US-09-501-171-51174	Sequence 5, Appl1
C 295	14.2	74.7	2562	3	US-09-902-540-503	Sequence 503, App	C 368	14	73.7	173787	3	US-09-949-016-12542	Sequence 12542, A
296	14.2	74.7	2636	2	US-08-554-612C-12	Sequence 12, Appl	369	14	73.7	173791	3	US-09-949-016-17302	Sequence 17302, A
297	14.2	74.7	2856	2	US-09-328-352-41	Sequence 41, Appl	C 370	13.8	72.6	69	2	US-09-073-032-2	Sequence 2, Appl1
298	14.2	74.7	2888	2	US-08-554-612C-51	Sequence 51, Appl	371	13.8	72.6	69	3	US-09-428-226A-2	Sequence 2, Appl1
299	14.2	74.7	2909	2	US-08-554-612C-10	Sequence 10, Appl	372	13.8	72.6	69	3	US-09-972-809-2	Sequence 2, Appl1
300	14.2	74.7	2909	2	US-08-554-612C-11	Sequence 11, Appl	373	13.8	72.6	69	3	US-09-972-809-2	Sequence 2, Appl1
301	14.2	74.7	3049	3	US-09-799-451-801	Sequence 801, App	C 374	13.8	72.6	89	2	US-07-964-6240-28	Sequence 28, Appl
302	14.2	74.7	3293	2	US-08-442-809A-75	Sequence 75, Appl	C 375	13.8	72.6	89	2	US-08-442-062-28	Sequence 28, Appl
C 303	14.2	74.7	3328	3	US-09-949-016-2173	Sequence 2173, Ap	C 376	13.8	72.6	89	2	US-08-748-697A-28	Sequence 28, Appl
C 304	14.2	74.7	3338	3	US-08-993-088A-5	Sequence 5, Appl1	C 377	13.8	72.6	89	3	US-09-165-616-28	Sequence 28, Appl
C 305	14.2	74.7	3380	3	US-08-993-424B-5	Sequence 5, Appl1	C 378	13.8	72.6	89	3	US-10-040-497-28	Sequence 28, Appl
C 306	14.2	74.7	3390	3	US-09-603-680-5	Sequence 5, Appl1	C 379	13.8	72.6	202	3	US-09-313-294A-5298	Sequence 5298, Ap
C 307	14.2	74.7	3616	3	US-09-949-016-4859	Sequence 4859, Ap	C 380	13.8	72.6	218	3	US-09-513-999C-9939	Sequence 9939, Ap
C 308	14.2	74.7	3780	3	US-09-489-039A-1669	Sequence 1669, Ap	C 381	13.8	72.6	240	3	US-09-489-039A-4638	Sequence 4638, Ap
C 309	14.2	74.7	3960	3	US-09-902-540-8918	Sequence 8918, Ap	C 382	13.8	72.6	295	3	US-09-313-294A-6884	Sequence 6884, Ap
C 310	14.2	74.7	4003	3	US-09-902-540-618	Sequence 618, App	C 383	13.8	72.6	295	3	US-09-513-999C-110	Sequence 110, App
311	14.2	74.7	4160	3	US-09-134-218-1	Sequence 1, Appl1	C 384	13.8	72.6	314	3	US-09-313-294A-5009	Sequence 5009, App
312	14.2	74.7	4287	3	US-09-986-617-5	Sequence 5, Appl1	385	13.8	72.6	380	3	US-09-370-767-7521	Sequence 7521, Ap
313	14.2	74.7	4422	3	US-09-388-221B-1	Sequence 1, Appl1	386	13.8	72.6	380	3	US-09-270-767-7521	Sequence 7521, Ap
314	14.2	74.7	4480	3	US-09-191-171-7	Sequence 7, Appl1	C 387	13.8	72.6	381	3	US-09-328-352-1711	Sequence 1711, A
315	14.2	74.7	4480	3	US-09-385-707-7	Sequence 7, Appl1	C 388	13.8	72.6	429	3	US-09-489-039A-2585	Sequence 2585, Ap
316	14.2	74.7	4556	3	US-09-388-221B-9	Sequence 9, Appl1	C 389	13.8	72.6	430	3	US-08-905-223-224	Sequence 224, App

390	13.8	72.6	437	3	US-09-513-999C-31014	Sequence 31014, A	C 463	13.8	72.6	915	3	US-09-252-991A-9133	Sequence 9133, Ap
391	13.8	72.6	434	3	US-09-270-767-1589	Sequence 1589, Ap	C 464	13.8	72.6	969	2	US-09-252-991A-7505	Sequence 7505, Ap
392	13.8	72.6	454	3	US-09-270-767-16871	Sequence 16871, A	C 465	13.8	72.6	979	2	US-08-147-710-1	Sequence 1, Appl
393	13.8	72.6	456	3	US-09-270-767-543	Sequence 543, App	C 466	13.8	72.6	979	2	US-08-458-090-1	Sequence 1, Appl
394	13.8	72.6	456	3	US-09-270-767-14209	Sequence 14209, A	C 467	13.8	72.6	979	2	US-08-457-887-1	Sequence 1, Appl
395	13.8	72.6	456	3	US-09-270-767-15825	Sequence 15825, A	C 468	13.8	72.6	979	3	US-09-016-434-1378	Sequence 1378, Ap
396	13.8	72.6	459	3	US-09-270-767-695	Sequence 695, App	C 469	13.8	72.6	979	3	US-09-904-621-1	Sequence 1, Appl
397	13.8	72.6	459	3	US-09-270-767-15977	Sequence 15977, A	C 470	13.8	72.6	993	3	US-09-252-991A-8950	Sequence 8950, Ap
398	13.8	72.6	488	3	US-09-513-999C-10350	Sequence 10350, A	C 471	13.8	72.6	1045	3	US-09-391-741A-5	Sequence 5, Appl
399	13.8	72.6	539	3	US-09-270-767-1447	Sequence 1447, Ap	C 472	13.8	72.6	1045	3	US-09-391-741A-19	Sequence 19, Appl
400	13.8	72.6	539	3	US-09-270-767-16729	Sequence 16729, A	C 473	13.8	72.6	1045	3	US-09-391-741A-29	Sequence 29, Appl
401	13.8	72.6	542	3	US-09-270-767-9475	Sequence 9475, Ap	C 474	13.8	72.6	1049	3	US-09-023-655-195	Sequence 195, App
402	13.8	72.6	542	3	US-09-270-767-24757	Sequence 24757, A	C 475	13.8	72.6	1059	3	US-09-576-1608-9	Sequence 9, Appl
403	13.8	72.6	546	3	US-10-131-827-8253	Sequence 8253, Ap	C 476	13.8	72.6	1131	3	US-09-248-796A-994	Sequence 994, App
404	13.8	72.6	581	2	US-08-505-617-5	Sequence 5, Appl	C 477	13.8	72.6	1140	3	US-08-817-145-2	Sequence 2, Appl
405	13.8	72.6	581	2	US-09-018-170-5	Sequence 5, Appl	C 478	13.8	72.6	1142	3	US-09-949-016-864	Sequence 864, App
406	13.8	72.6	590	3	US-09-270-767-25999	Sequence 25999, A	C 479	13.8	72.6	1132	3	US-09-902-540-8343	Sequence 8343, Ap
407	13.8	72.6	600	3	US-09-252-991A-9052	Sequence 9052, Ap	C 480	13.8	72.6	1156	3	US-09-270-767-11379	Sequence 11379, A
408	13.8	72.6	601	3	US-09-949-016-20179	Sequence 20179, A	C 481	13.8	72.6	1228	3	US-09-489-039A-2240	Sequence 2240, Ap
409	13.8	72.6	601	3	US-09-949-016-20318	Sequence 20318, A	C 482	13.8	72.6	1237	3	US-09-270-767-12517	Sequence 12517, A
410	13.8	72.6	601	3	US-09-949-016-51444	Sequence 51444, A	C 483	13.8	72.6	1237	3	US-09-489-039A-2457	Sequence 2457, Ap
411	13.8	72.6	601	3	US-09-949-016-60561	Sequence 60561, A	C 484	13.8	72.6	1311	3	US-09-489-039A-6614	Sequence 6614, Ap
412	13.8	72.6	601	3	US-09-949-016-65968	Sequence 60562, A	C 485	13.8	72.6	1339	3	US-09-489-039A-2333	Sequence 2333, Ap
413	13.8	72.6	601	3	US-09-949-016-65968	Sequence 65968, A	C 486	13.8	72.6	1419	2	US-08-242-098-39	Sequence 39, Appl
414	13.8	72.6	601	3	US-09-949-016-71440	Sequence 71440, A	C 487	13.8	72.6	1455	3	US-09-252-991A-7482	Sequence 7482, Ap
415	13.8	72.6	601	3	US-09-949-016-71441	Sequence 71441, A	C 488	13.8	72.6	1459	2	US-08-886-599A-4	Sequence 4, Appl
416	13.8	72.6	601	3	US-09-949-016-71442	Sequence 71442, A	C 489	13.8	72.6	1533	3	US-09-252-991A-3013	Sequence 3013, Ap
417	13.8	72.6	601	3	US-09-949-016-93227	Sequence 93227, A	C 490	13.8	72.6	1543	3	US-09-270-767-727	Sequence 727, App
418	13.8	72.6	601	3	US-09-949-016-120433	Sequence 120433, A	C 491	13.8	72.6	1543	3	US-09-270-767-16009	Sequence 16009, A
419	13.8	72.6	601	3	US-09-949-016-120435	Sequence 120434, A	C 492	13.8	72.6	1583	3	US-09-949-016-1187	Sequence 1187, Ap
420	13.8	72.6	601	3	US-09-949-016-120435	Sequence 120435, A	C 493	13.8	72.6	1654	3	US-09-533-559-7697	Sequence 7697, Ap
421	13.8	72.6	601	3	US-09-949-016-120436	Sequence 120436, A	C 494	13.8	72.6	1658	3	US-10-002-344A-31	Sequence 31, Appl
422	13.8	72.6	601	3	US-09-949-016-122691	Sequence 122691, A	C 495	13.8	72.6	1675	3	US-09-591-095-21	Sequence 21, Appl
423	13.8	72.6	601	3	US-09-949-016-122691	Sequence 122691, A	C 496	13.8	72.6	1700	2	US-08-686-599A-1	Sequence 1, Appl
424	13.8	72.6	601	3	US-09-949-016-132317	Sequence 132317, A	C 497	13.8	72.6	1766	2	US-08-504-459-1	Sequence 1, Appl
425	13.8	72.6	601	3	US-09-949-016-132318	Sequence 132318, A	C 498	13.8	72.6	1824	3	US-09-248-796A-855	Sequence 855, App
426	13.8	72.6	601	3	US-09-949-016-136347	Sequence 136347, A	C 499	13.8	72.6	1866	3	US-09-252-991A-2600	Sequence 2600, Ap
427	13.8	72.6	601	3	US-09-949-016-139982	Sequence 139982, A	C 500	13.8	72.6	1869	3	US-09-305-381-1	Sequence 1, Appl
428	13.8	72.6	601	3	US-09-949-016-146594	Sequence 146594, A	C 501	13.8	72.6	1872	3	US-09-489-039A-4640	Sequence 4640, Ap
429	13.8	72.6	601	3	US-09-949-016-147860	Sequence 147860, A	C 502	13.8	72.6	1879	3	US-09-897-772-1	Sequence 1, Appl
430	13.8	72.6	601	3	US-09-949-016-147861	Sequence 147861, A	C 503	13.8	72.6	1889	3	US-10-104-047-1603	Sequence 1603, Ap
431	13.8	72.6	601	3	US-09-949-016-147862	Sequence 147862, A	C 504	13.8	72.6	1918	3	US-09-270-767-12780	Sequence 12780, A
432	13.8	72.6	601	3	US-09-949-016-147863	Sequence 147863, A	C 505	13.8	72.6	1956	3	US-09-248-796A-6187	Sequence 6187, Ap
433	13.8	72.6	601	3	US-09-949-016-154904	Sequence 154904, A	C 506	13.8	72.6	1977	3	US-09-489-039A-4647	Sequence 4647, Ap
434	13.8	72.6	601	3	US-09-949-016-154905	Sequence 154905, A	C 507	13.8	72.6	1978	3	US-09-270-767-12388	Sequence 12388, A
435	13.8	72.6	601	3	US-09-949-016-158687	Sequence 158687, A	C 508	13.8	72.6	1989	3	US-09-270-767-30237	Sequence 30237, A
436	13.8	72.6	601	3	US-09-949-016-158784	Sequence 158784, A	C 509	13.8	72.6	2022	3	US-09-711-164-157	Sequence 157, App
437	13.8	72.6	601	3	US-09-949-016-159676	Sequence 159676, A	C 510	13.8	72.6	2028	3	US-09-620-3120-597	Sequence 597, App
438	13.8	72.6	601	3	US-09-949-016-165396	Sequence 165396, A	C 511	13.8	72.6	2067	3	US-10-243-789-1	Sequence 1, Appl
439	13.8	72.6	601	3	US-09-949-016-165453	Sequence 165453, A	C 512	13.8	72.6	2139	3	US-10-104-047-59	Sequence 59, Appl
440	13.8	72.6	601	3	US-09-949-016-170453	Sequence 170453, A	C 513	13.8	72.6	2151	3	US-09-186-276B-66	Sequence 66, Appl
441	13.8	72.6	601	3	US-09-949-016-177147	Sequence 177147, A	C 514	13.8	72.6	2151	3	US-08-842-445-66	Sequence 66, Appl
442	13.8	72.6	601	3	US-09-949-016-185186	Sequence 185186, A	C 515	13.8	72.6	2151	3	US-09-186-188B-66	Sequence 66, Appl
443	13.8	72.6	601	3	US-09-949-016-185187	Sequence 185187, A	C 516	13.8	72.6	2151	3	US-09-255-585C-66	Sequence 66, Appl
444	13.8	72.6	601	3	US-09-949-016-199883	Sequence 199883, A	C 517	13.8	72.6	2160	3	US-09-134-000C-2022	Sequence 2022, Ap
445	13.8	72.6	601	3	US-09-949-016-200318	Sequence 200318, A	C 518	13.8	72.6	2178	3	US-09-270-767-14275	Sequence 14275, A
446	13.8	72.6	632	3	US-09-949-016-200932	Sequence 200932, A	C 519	13.8	72.6	2261	3	US-10-104-047-1916	Sequence 1916, Ap
447	13.8	72.6	632	3	US-10-178-213-40	Sequence 40, Appl	C 520	13.8	72.6	2277	2	US-08-369-796-7	Sequence 7, Appl
448	13.8	72.6	683	3	US-09-513-559-7228	Sequence 7228, Ap	C 521	13.8	72.6	2277	2	US-08-852-091-7	Sequence 7, Appl
449	13.8	72.6	684	3	US-09-134-000C-528	Sequence 528, App	C 522	13.8	72.6	2277	2	US-08-820-754-7	Sequence 7, Appl
450	13.8	72.6	699	3	US-09-252-991A-3206	Sequence 3206, App	C 523	13.8	72.6	2277	2	US-08-956-652-7	Sequence 7, Appl
451	13.8	72.6	700	3	US-09-735-271-295	Sequence 295, App	C 524	13.8	72.6	2277	3	US-08-956-869-7	Sequence 7, Appl
452	13.8	72.6	726	3	US-09-621-976-3406	Sequence 3406, Ap	C 525	13.8	72.6	2277	3	US-08-948-547-7	Sequence 7, Appl
453	13.8	72.6	748	3	US-10-781-599-32	Sequence 32, Appl	C 526	13.8	72.6	2277	3	US-08-956-531A-7	Sequence 7, Appl
454	13.8	72.6	756	3	US-09-653-730-10	Sequence 32, Appl	C 527	13.8	72.6	2277	3	US-08-212-185-7	Sequence 7, Appl
455	13.8	72.6	795	3	US-09-252-991A-7360	Sequence 7360, Ap	C 528	13.8	72.6	2277	6	PCT-US95-17025-7	Sequence 7, Appl
456	13.8	72.6	798	3	US-09-248-796A-5630	Sequence 5630, Ap	C 529	13.8	72.6	2441	3	US-09-270-767-10843	Sequence 10843, A
457	13.8	72.6	831	3	US-10-781-599-26	Sequence 26, Appl	C 530	13.8	72.6	2641	3	US-09-252-991A-2860	Sequence 2860, Ap
458	13.8	72.6	837	3	US-09-902-540-4308	Sequence 4308, Ap	C 531	13.8	72.6	2642	3	US-10-104-047-587	Sequence 587, App
459	13.8	72.6	840	3	US-09-489-039A-2990	Sequence 2990, Ap	C 532	13.8	72.6	2758	3	US-09-620-312D-884	Sequence 884, App
460	13.8	72.6	846	3	US-09-270-767-15105	Sequence 15105, A	C 533	13.8	72.6	2885	3	US-09-949-016-1936	Sequence 1936, Ap
461	13.8	72.6	885	3	US-09-937-862B-26	Sequence 26, Appl	C 534	13.8	72.6	2913	3	US-09-976-594-368	Sequence 368, Appl
462	13.8	72.6	900	3	US-09-949-016-2237	Sequence 2237, Ap	C 535	13.8	72.6	3051	3	US-09-409-604-1	Sequence 1, Appl

C 536	13.8	72.6	3051	3	US-09-270-767-12928	Sequence 12928, A	C 609	13.8	72.6	38368	3	US-09-949-016-12958	Sequence 12958, A
537	13.8	72.6	3126	3	US-09-270-767-990	Sequence 990, App	C 610	13.8	72.6	41435	3	US-09-949-016-15926	Sequence 15926, A
538	13.8	72.6	3126	3	US-09-270-767-16272	Sequence 16272, A	C 611	13.8	72.6	42246	3	US-09-949-016-17008	Sequence 17008, A
539	13.8	72.6	3127	3	US-10-104-047-116	Sequence 216, App	C 612	13.8	72.6	43257	3	US-09-949-016-17117	Sequence 17117, A
C 540	13.8	72.6	3201	3	US-09-270-767-10572	Sequence 10572, A	C 613	13.8	72.6	44244	3	US-09-949-016-11773	Sequence 11773, A
541	13.8	72.6	3227	3	US-09-221-0178-451	Sequence 451, App	C 614	13.8	72.6	44245	3	US-09-949-016-13579	Sequence 13579, A
C 542	13.8	72.6	3465	3	US-09-270-767-1	Sequence 1, Appl1	C 615	13.8	72.6	49526	3	US-09-949-016-12929	Sequence 12929, A
C 543	13.8	72.6	3510	3	US-09-265-585C-95	Sequence 95, Appl1	C 616	13.8	72.6	51101	3	US-09-949-016-12859	Sequence 12859, A
C 544	13.8	72.6	3558	3	US-09-949-016-351	Sequence 351, App	C 617	13.8	72.6	51101	3	US-09-949-016-17036	Sequence 17036, A
C 545	13.8	72.6	3558	3	US-09-949-016-1918	Sequence 1918, App	C 618	13.8	72.6	51620	3	US-09-949-016-12848	Sequence 12848, A
546	13.8	72.6	3702	3	US-09-252-991A-6666	Sequence 6666, App	C 619	13.8	72.6	51621	3	US-09-949-016-16503	Sequence 16503, A
547	13.8	72.6	3739	3	US-10-781-599-1	Sequence 1, Appl1	C 620	13.8	72.6	51770	3	US-09-949-016-13668	Sequence 13668, A
C 548	13.8	72.6	3799	3	US-10-104-047-836	Sequence 836, App	C 621	13.8	72.6	51773	3	US-09-949-016-16002	Sequence 16002, A
549	13.8	72.6	3808	3	US-09-949-016-1217	Sequence 1217, App	C 622	13.8	72.6	54531	3	US-09-949-016-16267	Sequence 16267, A
C 550	13.8	72.6	3833	2	US-08-917-320-18	Sequence 18, Appl	C 623	13.8	72.6	54639	3	US-09-949-016-15867	Sequence 15867, A
C 551	13.8	72.6	3833	6	PCT-US95-04611A-18	Sequence 18, Appl	C 624	13.8	72.6	55226	3	US-09-949-016-14426	Sequence 14426, A
552	13.8	72.6	3852	3	US-09-245-248B-29	Sequence 29, Appl	C 625	13.8	72.6	59123	3	US-09-949-016-12177	Sequence 12177, A
553	13.8	72.6	3853	3	US-09-245-248B-53	Sequence 53, Appl	C 626	13.8	72.6	59240	3	US-09-949-016-11933	Sequence 11933, A
C 554	13.8	72.6	3986	3	US-10-032-925-1	Sequence 1, Appl1	C 627	13.8	72.6	63644	3	US-09-949-016-12098	Sequence 12098, A
C 555	13.8	72.6	4017	3	US-09-270-767-11870	Sequence 11870, A	C 628	13.8	72.6	64610	3	US-09-949-016-12214	Sequence 12214, A
556	13.8	72.6	4165	2	US-08-095-737-1	Sequence 1, Appl1	C 629	13.8	72.6	64638	3	US-09-949-016-11767	Sequence 11767, A
557	13.8	72.6	4165	2	US-08-480-145-1	Sequence 1, Appl1	C 630	13.8	72.6	64639	3	US-09-949-016-13520	Sequence 13520, A
558	13.8	72.6	4165	2	US-08-477-389-1	Sequence 1, Appl1	C 631	13.8	72.6	66428	3	US-09-949-016-12917	Sequence 12917, A
C 559	13.8	72.6	4176	3	US-09-902-540-872	Sequence 872, App	C 632	13.8	72.6	67002	3	US-09-949-016-16803	Sequence 16803, A
560	13.8	72.6	4256	3	US-09-949-016-1812	Sequence 412, App	C 633	13.8	72.6	71278	3	US-09-949-016-11851	Sequence 11851, A
561	13.8	72.6	4257	3	US-09-949-016-284	Sequence 284, App	C 634	13.8	72.6	71278	3	US-09-949-016-17563	Sequence 17563, A
562	13.8	72.6	4773	3	US-09-270-767-14129	Sequence 14129, A	C 635	13.8	72.6	75729	3	US-09-949-016-15221	Sequence 15221, A
C 563	13.8	72.6	5931	3	US-08-783-774-1	Sequence 1, Appl1	C 636	13.8	72.6	76264	3	US-09-949-016-15773	Sequence 15773, A
C 564	13.8	72.6	5931	3	US-09-556-706B-1	Sequence 1, Appl1	C 637	13.8	72.6	76422	3	US-09-949-016-15896	Sequence 15896, A
C 565	13.8	72.6	6192	3	US-09-724-418A-1	Sequence 1, Appl1	C 638	13.8	72.6	77100	3	US-09-949-016-16418	Sequence 16418, A
C 566	13.8	72.6	6192	3	US-09-949-016-1139	Sequence 3139, App	C 639	13.8	72.6	83598	3	US-09-949-016-16068	Sequence 16068, A
C 567	13.8	72.6	6192	3	US-09-949-016-1140	Sequence 3140, App	C 640	13.8	72.6	84558	3	US-09-949-016-15752	Sequence 15752, A
C 568	13.8	72.6	6192	3	US-09-949-016-3141	Sequence 3141, App	C 641	13.8	72.6	86980	3	US-09-949-016-15344	Sequence 15344, A
C 569	13.8	72.6	6192	3	US-09-949-016-3142	Sequence 3142, App	C 642	13.8	72.6	87567	3	US-09-949-016-13335	Sequence 13335, A
C 570	13.8	72.6	6192	3	US-09-949-016-3143	Sequence 3143, App	C 643	13.8	72.6	89220	3	US-09-949-016-12655	Sequence 12655, A
C 571	13.8	72.6	6192	3	US-09-949-016-3144	Sequence 3144, App	C 644	13.8	72.6	89224	3	US-09-949-016-15722	Sequence 15722, A
C 572	13.8	72.6	6192	3	US-09-949-016-1145	Sequence 3145, App	C 645	13.8	72.6	92155	3	US-09-949-016-17484	Sequence 17484, A
C 573	13.8	72.6	6192	3	US-09-949-016-3146	Sequence 3146, App	C 646	13.8	72.6	92276	3	US-09-949-016-12166	Sequence 12166, A
C 574	13.8	72.6	6930	3	US-09-902-540-856	Sequence 856, App	C 647	13.8	72.6	92276	3	US-09-949-016-16114	Sequence 16114, A
575	13.8	72.6	7117	3	US-09-645-415A-34	Sequence 34, Appl	C 648	13.8	72.6	95561	3	US-09-949-016-12768	Sequence 12768, A
576	13.8	72.6	7543	3	US-09-774-528-163	Sequence 163, App	C 649	13.8	72.6	95561	3	US-09-949-016-13307	Sequence 13307, A
577	13.8	72.6	7543	3	US-10-120-988-163	Sequence 163, App	C 650	13.8	72.6	95561	3	US-09-949-016-13306	Sequence 13306, A
C 578	13.8	72.6	7734	3	US-09-949-016-1093	Sequence 1093, App	C 651	13.8	72.6	95621	3	US-09-949-016-13227	Sequence 13227, A
C 579	13.8	72.6	8145	3	US-09-949-016-1094	Sequence 1094, App	C 652	13.8	72.6	100837	3	US-09-949-016-12871	Sequence 12871, A
C 580	13.8	72.6	8220	3	US-09-949-016-1094	Sequence 1094, App	C 653	13.8	72.6	100837	3	US-09-949-016-17053	Sequence 17053, A
C 581	13.8	72.6	8280	3	US-09-949-016-5	Sequence 5, Appl1	C 654	13.8	72.6	104077	3	US-09-949-016-13593	Sequence 13593, A
C 582	13.8	72.6	8293	3	US-09-949-016-12606	Sequence 12606, A	C 655	13.8	72.6	104955	3	US-09-949-016-13210	Sequence 13210, A
C 583	13.8	72.6	8735	3	US-09-949-016-12929	Sequence 12929, A	C 656	13.8	72.6	111509	3	US-09-949-016-17379	Sequence 17379, A
C 584	13.8	72.6	8939	3	US-09-949-016-12703	Sequence 12703, A	C 657	13.8	72.6	112132	3	US-09-949-016-150-3	Sequence 3, Appl1
C 585	13.8	72.6	9076	3	US-09-949-016-17358	Sequence 17358, A	C 658	13.8	72.6	112132	3	US-09-949-016-15617	Sequence 15617, A
586	13.8	72.6	9527	3	US-09-949-016-13979	Sequence 13979, A	C 659	13.8	72.6	115814	3	US-09-949-016-16205	Sequence 16205, A
587	13.8	72.6	11580	3	US-09-334-220-4	Sequence 4, Appl1	C 660	13.8	72.6	126116	3	US-09-949-016-16137	Sequence 16137, A
C 588	13.8	72.6	12176	3	US-09-949-016-3651	Sequence 3651, App	C 661	13.8	72.6	126116	3	US-09-949-016-16138	Sequence 16138, A
C 589	13.8	72.6	18037	3	US-09-949-016-13678	Sequence 13678, A	C 662	13.8	72.6	133617	3	US-09-949-016-15824	Sequence 15824, A
C 590	13.8	72.6	20481	3	US-09-949-016-12093	Sequence 12093, A	C 663	13.8	72.6	135171	3	US-09-949-016-16724	Sequence 16724, A
C 591	13.8	72.6	20482	3	US-09-949-016-13660	Sequence 13660, A	C 664	13.8	72.6	137753	3	US-09-949-016-16724	Sequence 16724, A
C 592	13.8	72.6	21295	3	US-09-902-540-1194	Sequence 1194, App	C 665	13.8	72.6	138633	3	US-09-949-016-15858	Sequence 15858, A
C 593	13.8	72.6	22807	3	US-09-902-540-1214	Sequence 1214, App	C 666	13.8	72.6	145812	3	US-09-949-016-15868	Sequence 15868, A
C 594	13.8	72.6	27916	3	US-09-949-016-15202	Sequence 15202, A	C 667	13.8	72.6	145812	3	US-09-949-016-15868	Sequence 15868, A
C 595	13.8	72.6	31390	3	US-09-949-016-15193	Sequence 15193, A	C 668	13.8	72.6	146307	3	US-09-949-016-14881	Sequence 14881, A
C 596	13.8	72.6	31390	3	US-09-949-016-17372	Sequence 372, App1	C 669	13.8	72.6	146307	3	US-09-949-016-14882	Sequence 14882, A
C 597	13.8	72.6	34794	3	US-10-164-085-39	Sequence 39, Appl	C 670	13.8	72.6	146307	3	US-09-949-016-14883	Sequence 14883, A
C 598	13.8	72.6	34794	3	US-09-573-740A-82	Sequence 82, Appl	C 671	13.8	72.6	146307	3	US-09-949-016-14884	Sequence 14884, A
C 599	13.8	72.6	35524	3	US-08-923-137-1	Sequence 1, Appl1	C 672	13.8	72.6	146307	3	US-09-949-016-14885	Sequence 14885, A
C 600	13.8	72.6	35675	3	US-09-949-016-13505	Sequence 13505, A	C 673	13.8	72.6	146307	3	US-09-949-016-14886	Sequence 14886, A
C 601	13.8	72.6	35803	3	US-09-949-016-11863	Sequence 11863, A	C 674	13.8	72.6	146307	3	US-09-949-016-14887	Sequence 14887, A
C 602	13.8	72.6	35804	3	US-09-949-016-12962	Sequence 12962, A	C 675	13.8	72.6	146307	3	US-09-949-016-14888	Sequence 14888, A
C 603	13.8	72.6	36307	3	US-09-949-016-17372	Sequence 17372, A	C 676	13.8	72.6	148405	3	US-09-949-016-11747	Sequence 11747, A
C 604	13.8	72.6	36643	3	US-09-949-016-11860	Sequence 11860, A	C 677	13.8	72.6	148405	3	US-09-949-016-12835	Sequence 12835, A
C 605	13.8	72.6	36821	3	US-09-949-016-16403	Sequence 16403, A	C 678	13.8	72.6	148405	3	US-09-949-016-12836	Sequence 12836, A
C 606	13.8	72.6	36821	3	US-09-949-016-16404	Sequence 16404, A	C 679	13.8	72.6	148405	3	US-09-949-016-12837	Sequence 12837, A
C 607	13.8	72.6	37030	3	US-08-311-731A-25	Sequence 25, Appl	C 680	13.8	72.6	152070	3	US-09-949-016-15402	Sequence 15402, A
C 608	13.8	72.6	37715	3	US-09-949-016-13846	Sequence 13846, A	C 681	13.8	72.6	152486	3	US-09-949-016-12869	Sequence 12869, A

C 682	13.8	72.6	156324	3	US-09-949-016-13749	Sequence 11749, A	755	13.4	70.5	601	3	US-09-949-016-17838	Sequence 17838, A
C 683	13.8	72.6	156942	3	US-09-949-016-12227	Sequence 12227, A	C 756	13.4	70.5	601	3	US-09-949-016-22483	Sequence 22483, A
C 684	13.8	72.6	156950	3	US-09-949-016-15946	Sequence 15946, A	C 757	13.4	70.5	601	3	US-09-949-016-22484	Sequence 22484, A
C 685	13.8	72.6	157644	3	US-09-949-016-16179	Sequence 16179, A	C 758	13.4	70.5	601	3	US-09-949-016-22485	Sequence 22485, A
C 686	13.8	72.6	157644	3	US-09-949-016-16179	Sequence 16180, A	C 759	13.4	70.5	601	3	US-09-949-016-22486	Sequence 22486, A
C 687	13.8	72.6	151124	3	US-09-949-016-11760	Sequence 11760, A	C 760	13.4	70.5	601	3	US-09-949-016-26907	Sequence 26907, A
C 688	13.8	72.6	153662	3	US-09-949-016-12545	Sequence 12545, A	C 761	13.4	70.5	601	3	US-09-949-016-26908	Sequence 26908, A
C 689	13.8	72.6	153664	3	US-09-949-016-13546	Sequence 13546, A	C 762	13.4	70.5	601	3	US-09-949-016-41708	Sequence 41708, A
C 690	13.8	72.6	168104	3	US-09-949-016-12026	Sequence 12026, A	C 763	13.4	70.5	601	3	US-09-949-016-46155	Sequence 46155, A
C 691	13.8	72.6	168105	3	US-09-949-016-16554	Sequence 16554, A	C 764	13.4	70.5	601	3	US-09-949-016-57409	Sequence 57410, A
C 692	13.8	72.6	168174	3	US-10-071-411A-63	Sequence 63, Appl	C 765	13.4	70.5	601	3	US-09-949-016-57410	Sequence 57411, A
C 693	13.8	72.6	168273	3	US-10-071-411A-2	Sequence 2, Appl	C 766	13.4	70.5	601	3	US-09-949-016-57411	Sequence 57412, A
C 694	13.8	72.6	169334	3	US-09-949-016-15999	Sequence 15999, A	C 767	13.4	70.5	601	3	US-09-949-016-57412	Sequence 57413, A
C 695	13.8	72.6	176373	3	US-09-128-155-17	Sequence 17, Appl	C 768	13.4	70.5	601	3	US-09-949-016-65780	Sequence 65780, A
C 696	13.8	72.6	192506	3	US-09-949-016-15830	Sequence 15830, A	C 769	13.4	70.5	601	3	US-09-949-016-115479	Sequence 115479, A
C 697	13.8	72.6	193169	3	US-09-949-016-15091	Sequence 15091, A	C 770	13.4	70.5	601	3	US-09-949-016-158685	Sequence 158685, A
C 698	13.8	72.6	193303	3	US-09-497-855A-37	Sequence 37, Appl	C 771	13.4	70.5	601	3	US-09-949-016-158686	Sequence 158686, A
C 699	13.8	72.6	193303	3	US-09-497-855A-44	Sequence 44, Appl	C 772	13.4	70.5	601	3	US-09-949-016-158782	Sequence 158782, A
C 700	13.8	72.6	194790	3	US-09-949-016-15393	Sequence 15393, A	C 773	13.4	70.5	601	3	US-09-949-016-158783	Sequence 158783, A
C 701	13.8	72.6	199471	3	US-09-949-016-14083	Sequence 14083, A	C 774	13.4	70.5	601	3	US-09-949-016-168332	Sequence 168332, A
C 702	13.8	72.6	205163	3	US-09-949-016-17009	Sequence 17009, A	C 775	13.4	70.5	601	3	US-09-949-016-168333	Sequence 168334, A
C 703	13.8	72.6	209631	3	US-09-949-002-574	Sequence 574, App	C 776	13.4	70.5	601	3	US-09-949-016-182948	Sequence 182948, A
C 704	13.8	72.6	209632	3	US-09-949-002-802	Sequence 802, App	C 777	13.4	70.5	601	3	US-09-949-016-182949	Sequence 182949, A
C 705	13.8	72.6	218940	3	US-09-949-016-17539	Sequence 17539, A	C 778	13.4	70.5	601	3	US-09-949-016-185442	Sequence 185442, A
C 706	13.8	72.6	227750	3	US-09-949-016-17175	Sequence 17175, A	C 779	13.4	70.5	601	3	US-09-949-016-185442	Sequence 185442, A
C 707	13.8	72.6	254964	3	US-09-949-016-12583	Sequence 12583, A	C 780	13.4	70.5	732	3	US-09-328-352-1926	Sequence 115479, A
C 708	13.8	72.6	254964	3	US-09-949-016-17392	Sequence 17392, A	C 781	13.4	70.5	756	3	US-09-949-016-19113	Sequence 19113, App
C 709	13.8	72.6	256171	3	US-09-949-016-12822	Sequence 12822, A	C 782	13.4	70.5	756	3	US-09-902-540-4385	Sequence 4385, App
C 710	13.8	72.6	256176	3	US-09-949-016-15524	Sequence 15524, A	C 783	13.4	70.5	759	3	US-09-902-540-7996	Sequence 7996, App
C 711	13.8	72.6	260247	3	US-09-949-016-13358	Sequence 13358, A	C 784	13.4	70.5	777	3	US-09-161-241-76	Sequence 76, Appl
C 712	13.8	72.6	260286	3	US-09-949-016-17037	Sequence 17037, A	C 785	13.4	70.5	778	3	US-09-270-767-9920	Sequence 9920, App
C 713	13.8	72.6	260293	3	US-09-949-016-12106	Sequence 12106, A	C 786	13.4	70.5	816	3	US-09-328-352-1503	Sequence 1503, App
C 714	13.8	72.6	285478	3	US-09-949-016-13362	Sequence 13362, A	C 787	13.4	70.5	1062	3	US-09-576-1608-11	Sequence 12, Appl
C 715	13.8	72.6	325034	3	US-09-949-016-14957	Sequence 14957, A	C 788	13.4	70.5	1146	3	US-09-489-039A-1089	Sequence 1089, App
C 716	13.8	72.6	373182	3	US-09-949-016-17371	Sequence 17371, A	C 789	13.4	70.5	1275	3	US-09-543-681A-1885	Sequence 1885, App
C 717	13.8	72.6	373694	3	US-09-949-016-12062	Sequence 12062, A	C 790	13.4	70.5	1409	3	US-08-956-171E-267	Sequence 267, App
C 718	13.8	72.6	385136	3	US-09-949-016-16073	Sequence 16073, A	C 791	13.4	70.5	1409	3	US-08-781-986A-267	Sequence 267, App
C 719	13.8	72.6	389504	3	US-09-949-016-11774	Sequence 11774, A	C 792	13.4	70.5	1414	3	US-09-270-767-12335	Sequence 12335, A
C 720	13.8	72.6	392000	3	US-10-027-983-11	Sequence 11, Appl	C 793	13.4	70.5	1449	3	US-09-695-458-1	Sequence 1, Appl
C 721	13.8	72.6	421494	3	US-09-949-016-12805	Sequence 12805, A	C 794	13.4	70.5	1527	3	US-09-604-231-1	Sequence 1, Appl
C 722	13.8	72.6	450395	3	US-09-949-016-15473	Sequence 15473, A	C 795	13.4	70.5	1575	3	US-09-248-796A-3481	Sequence 3481, App
C 723	13.8	72.6	524032	3	US-09-949-016-16928	Sequence 16928, A	C 796	13.4	70.5	1587	3	US-09-792-024-15	Sequence 15, Appl
C 724	13.8	72.6	524032	3	US-09-949-016-16928	Sequence 16929, A	C 797	13.4	70.5	1616	3	US-09-370-253-11	Sequence 11, Appl
C 725	13.8	72.6	524032	3	US-09-949-016-16930	Sequence 16930, A	C 798	13.4	70.5	1697	3	US-09-270-767-9957	Sequence 9957, App
C 726	13.8	72.6	524032	3	US-09-949-016-16930	Sequence 16931, A	C 799	13.4	70.5	1698	3	US-09-599-287A-1	Sequence 1, Appl
C 727	13.8	72.6	524032	3	US-09-949-016-16930	Sequence 16931, A	C 800	13.4	70.5	1698	3	US-10-078-547-1	Sequence 1, Appl
C 728	13.8	72.6	529885	3	US-09-949-016-14340	Sequence 14340, A	C 801	13.4	70.5	1788	3	US-09-529-379-14	Sequence 14, Appl
C 729	13.8	72.6	529885	3	US-09-949-016-14342	Sequence 14341, A	C 802	13.4	70.5	1788	3	US-10-158-895-14	Sequence 14, Appl
C 730	13.8	72.6	529885	3	US-09-949-016-14342	Sequence 14342, A	C 803	13.4	70.5	1977	3	US-10-104-047-1245	Sequence 1245, App
C 731	13.8	72.6	529885	3	US-09-949-016-14343	Sequence 14343, A	C 804	13.4	70.5	1977	3	US-09-603-208A-33	Sequence 33, App
C 732	13.8	72.6	529885	3	US-09-949-016-14344	Sequence 14344, A	C 805	13.4	70.5	2214	3	US-09-949-016-5411	Sequence 5411, App
C 733	13.8	72.6	529885	3	US-09-949-016-14345	Sequence 14345, A	C 806	13.4	70.5	2214	3	US-09-799-451-147	Sequence 147, App
C 734	13.8	72.6	529885	3	US-09-949-016-14346	Sequence 14346, A	C 807	13.4	70.5	2240	3	US-09-270-767-14124	Sequence 14124, A
C 735	13.8	72.6	529885	3	US-09-949-016-14347	Sequence 14347, A	C 808	13.4	70.5	2656	2	US-08-685-625A-5	Sequence 5, Appl
C 736	13.8	72.6	1664976	3	US-08-916-421B-1	Sequence 1, Appl	C 809	13.4	70.5	2656	3	US-09-529-279-3	Sequence 3, Appl
C 737	13.8	72.6	1664976	3	US-09-692-570-1	Sequence 1, Appl	C 810	13.4	70.5	2656	3	US-10-158-895-3	Sequence 3, Appl
C 738	13.8	72.6	1830121	3	US-09-557-884-1	Sequence 1, Appl	C 811	13.4	70.5	2769	3	US-09-949-016-4031	Sequence 4031, App
C 739	13.8	72.6	1830121	3	US-09-557-884-1	Sequence 1, Appl	C 812	13.4	70.5	7393	3	US-09-620-3120-372	Sequence 372, App
C 740	13.8	72.6	1830121	3	US-09-643-990A-1	Sequence 1, Appl	C 813	13.4	70.5	8252	3	US-09-949-016-13201	Sequence 13201, A
C 741	13.8	72.6	1830121	3	US-09-643-990A-1	Sequence 1, Appl	C 814	13.4	70.5	9295	3	US-09-949-016-16920	Sequence 16920, A
C 742	13.8	72.6	1830121	3	US-10-158-865-1	Sequence 1, Appl	C 815	13.4	70.5	11466	3	US-08-956-171E-444	Sequence 444, App
C 743	13.8	72.6	1830121	3	US-10-158-865-1	Sequence 1, Appl	C 816	13.4	70.5	11466	3	US-08-781-986A-444	Sequence 444, App
C 744	13.4	70.5	189	3	US-09-513-999C-2444	Sequence 2444, App	C 817	13.4	70.5	11922	3	US-09-902-540-1063	Sequence 1063, App
C 745	13.4	70.5	220	3	US-09-270-767-25223	Sequence 25223, A	C 818	13.4	70.5	14516	3	US-09-949-016-17047	Sequence 17047, A
C 746	13.4	70.5	354	3	US-09-270-767-28088	Sequence 28088, A	C 819	13.4	70.5	14759	3	US-09-661-887-1	Sequence 1, Appl
C 747	13.4	70.5	361	3	US-09-513-999C-2873	Sequence 2873, App	C 820	13.4	70.5	15203	3	US-09-949-016-16410	Sequence 16410, A
C 748	13.4	70.5	478	3	US-09-513-999C-11572	Sequence 11572, A	C 821	13.4	70.5	21352	3	US-09-949-016-11958	Sequence 11958, A
C 749	13.4	70.5	478	3	US-09-621-976-3767	Sequence 3767, App	C 822	13.4	70.5	21352	3	US-09-949-016-13409	Sequence 13409, A
C 750	13.4	70.5	484	3	US-09-621-976-3818	Sequence 3818, App	C 823	13.4	70.5	23928	3	US-09-949-016-12392	Sequence 12392, A
C 751	13.4	70.5	492	3	US-09-621-976-766	Sequence 766, App	C 824	13.4	70.5	23928	3	US-09-949-016-16315	Sequence 16315, A
C 752	13.4	70.5	534	3	US-09-489-039A-5019	Sequence 5019, App	C 825	13.4	70.5	26729	3	US-10-283-247-6	Sequence 6, Appl
C 753	13.4	70.5	571	3	US-09-385-982-79	Sequence 79, Appl	C 826	13.4	70.5	26729	3	US-09-902-540-1217	Sequence 1217, App
C 754	13.4	70.5	574	3	US-09-786-715-3	Sequence 3, Appl	C 827	13.4	70.5	38584	3	US-09-453-702B-50	Sequence 50, Appl

828	13.4	70.5	38584	3	US-10-114-170-50	Sequence 50, Appl	901	13.2	69.5	372	3	US-09-124-671-28	Sequence 28, Appl
829	13.4	70.5	38808	3	US-09-949-016-11802	Sequence 11802, A	902	13.2	69.5	372	3	US-09-124-671-30	Sequence 30, Appl
830	13.4	70.5	38808	3	US-09-949-016-16735	Sequence 16735, A	903	13.2	69.5	373	3	US-09-621-976-12356	Sequence 12356, A
831	13.4	70.5	41322	3	US-10-024-396-13	Sequence 13, Appl	904	13.2	69.5	375	3	US-09-270-767-9438	Sequence 9438, Ap
832	13.4	70.5	41737	3	US-09-949-016-12204	Sequence 12204, A	905	13.2	69.5	375	3	US-09-270-767-9438	Sequence 24720, A
833	13.4	70.5	41741	3	US-09-949-016-16983	Sequence 16983, A	906	13.2	69.5	376	3	US-09-621-976-822	Sequence 822, App
834	13.4	70.5	41965	3	US-09-949-016-13067	Sequence 13067, A	907	13.2	69.5	378	3	US-09-621-976-789	Sequence 789, App
835	13.4	70.5	43133	3	US-09-949-016-14911	Sequence 14911, A	908	13.2	69.5	387	3	US-09-124-671-14	Sequence 14, Appl
836	13.4	70.5	54251	3	US-09-949-016-13702	Sequence 13702, A	909	13.2	69.5	387	3	US-09-124-671-16	Sequence 16, Appl
837	13.4	70.5	54252	3	US-09-949-016-11807	Sequence 11807, A	910	13.2	69.5	391	3	US-09-621-976-2314	Sequence 2314, Ap
838	13.4	70.5	63860	3	US-09-949-016-15825	Sequence 15825, A	911	13.2	69.5	393	3	US-09-248-796-11630	Sequence 11630, A
839	13.4	70.5	70383	3	US-10-283-247-3	Sequence 3, Appl1	912	13.2	69.5	400	3	US-09-621-976-709	Sequence 709, App
840	13.4	70.5	76601	3	US-09-949-016-15773	Sequence 15773, A	913	13.2	69.5	405	3	US-09-489-039-268	Sequence 268, App
841	13.4	70.5	90472	3	US-09-949-016-17153	Sequence 17153, A	914	13.2	69.5	405	3	US-09-489-039-268	Sequence 268, App
842	13.4	70.5	90472	3	US-09-949-016-14038	Sequence 14038, A	915	13.2	69.5	423	3	US-09-621-976-9601	Sequence 9601, Ap
843	13.4	70.5	90472	3	US-09-949-016-16480	Sequence 16480, A	916	13.2	69.5	424	3	US-09-513-999C-1262	Sequence 1262, Ap
844	13.4	70.5	90472	3	US-09-949-016-17311	Sequence 17311, A	917	13.2	69.5	426	3	US-09-902-540-6064	Sequence 6064, Ap
845	13.4	70.5	90472	3	US-09-949-016-17311	Sequence 17311, A	918	13.2	69.5	429	3	US-09-270-767-7895	Sequence 7895, Ap
846	13.4	70.5	90472	3	US-09-949-016-17311	Sequence 17311, A	919	13.2	69.5	439	3	US-09-270-767-7895	Sequence 7895, Ap
847	13.4	70.5	90472	3	US-09-949-016-17311	Sequence 17311, A	920	13.2	69.5	439	3	US-09-270-767-7895	Sequence 7895, Ap
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849	13.2	69.5	25	3	US-09-866-108A-12254	Sequence 12254, A	922	13.2	69.5	447	3	US-09-621-976-13889	Sequence 13889, A
850	13.2	69.5	25	3	US-09-866-108A-12255	Sequence 12255, A	923	13.2	69.5	447	3	US-09-270-767-525	Sequence 525, App
851	13.2	69.5	25	3	US-09-866-108A-12256	Sequence 12256, A	924	13.2	69.5	456	3	US-09-270-767-15807	Sequence 15807, A
852	13.2	69.5	25	3	US-09-866-108A-12257	Sequence 12257, A	925	13.2	69.5	456	3	US-09-902-540-4390	Sequence 4390, Ap
853	13.2	69.5	25	3	US-09-866-108A-12258	Sequence 12258, A	926	13.2	69.5	456	3	US-09-902-540-4390	Sequence 4390, Ap
854	13.2	69.5	25	3	US-09-866-108A-12259	Sequence 12259, A	927	13.2	69.5	456	3	US-09-621-976-673	Sequence 673, App
855	13.2	69.5	25	3	US-09-866-108A-12260	Sequence 12260, A	928	13.2	69.5	456	3	US-09-902-540-7880	Sequence 7880, Ap
856	13.2	69.5	25	3	US-09-866-108A-12261	Sequence 12261, A	929	13.2	69.5	456	3	US-09-270-767-13659	Sequence 13659, Ap
857	13.2	69.5	25	3	US-09-396-196G-64374	Sequence 64374, A	930	13.2	69.5	456	3	US-09-270-767-13250	Sequence 13250, A
858	13.2	69.5	25	3	US-09-396-196G-64374	Sequence 64374, A	931	13.2	69.5	456	3	US-09-489-039-5766	Sequence 5766, Ap
859	13.2	69.5	25	3	US-09-396-196G-64374	Sequence 64374, A	932	13.2	69.5	456	3	US-09-252-939A-5661	Sequence 5661, Ap
860	13.2	69.5	38	2	US-08-093-741-56	Sequence 77788, A	933	13.2	69.5	500	3	US-09-866-108A-15734	Sequence 15734, A
861	13.2	69.5	38	2	US-08-720-012-56	Sequence 56, Appl	934	13.2	69.5	501	3	US-09-489-039A-6775	Sequence 6775, Ap
862	13.2	69.5	54	2	US-08-093-741-57	Sequence 57, Appl	935	13.2	69.5	508	3	US-09-270-767-31063	Sequence 31063, A
863	13.2	69.5	54	2	US-08-720-012-57	Sequence 57, Appl	936	13.2	69.5	534	3	US-09-902-540-9117	Sequence 9117, Ap
864	13.2	69.5	90	3	US-08-974-549A-660	Sequence 660, App	937	13.2	69.5	545	3	US-09-533-559-485	Sequence 485, App
865	13.2	69.5	90	3	US-08-974-549A-660	Sequence 660, App	938	13.2	69.5	545	3	US-09-543-681A-3311	Sequence 3311, Ap
866	13.2	69.5	109	3	US-09-270-767-50018	Sequence 30018, A	939	13.2	69.5	557	3	US-09-621-976-8401	Sequence 8401, Ap
867	13.2	69.5	109	3	US-09-866-108A-15690	Sequence 15690, A	940	13.2	69.5	557	3	US-09-669-751-15	Sequence 751, Ap
868	13.2	69.5	135	3	US-09-270-767-59637	Sequence 29637, A	941	13.2	69.5	559	3	US-09-949-016-191	Sequence 191, App
869	13.2	69.5	135	3	US-09-270-767-4278	Sequence 4278, Ap	942	13.2	69.5	559	3	US-09-949-016-23509	Sequence 23509, A
870	13.2	69.5	158	3	US-09-270-767-19560	Sequence 19560, A	943	13.2	69.5	601	3	US-09-949-016-65812	Sequence 65812, A
871	13.2	69.5	176	2	US-08-553-6198-18	Sequence 28426, A	944	13.2	69.5	601	3	US-09-949-016-94745	Sequence 94745, A
872	13.2	69.5	178	3	US-09-270-767-27350	Sequence 27350, A	945	13.2	69.5	601	3	US-09-949-016-95201	Sequence 95201, A
873	13.2	69.5	233	3	US-09-513-999C-13638	Sequence 13638, A	946	13.2	69.5	601	3	US-09-949-016-95201	Sequence 95201, A
874	13.2	69.5	233	3	US-09-513-999C-13638	Sequence 13638, A	947	13.2	69.5	601	3	US-09-949-016-95201	Sequence 95201, A
875	13.2	69.5	240	3	US-09-450-6098-142	Sequence 117, App	948	13.2	69.5	601	3	US-09-949-016-145842	Sequence 145842, A
876	13.2	69.5	240	3	US-09-312-283C-117	Sequence 117, App	949	13.2	69.5	601	3	US-09-949-016-145842	Sequence 145842, A
877	13.2	69.5	248	2	US-09-513-999C-27004	Sequence 27004, A	950	13.2	69.5	601	3	US-09-949-016-146110	Sequence 146110, A
878	13.2	69.5	248	2	US-08-822-028-58	Sequence 58, Appl	951	13.2	69.5	601	3	US-09-949-016-146178	Sequence 146178, A
879	13.2	69.5	248	2	US-08-479-285-58	Sequence 58, Appl	952	13.2	69.5	601	3	US-09-949-016-161645	Sequence 161645, A
880	13.2	69.5	248	3	US-09-503-653A-58	Sequence 58, Appl	953	13.2	69.5	601	3	US-09-949-016-161645	Sequence 161645, A
881	13.2	69.5	248	3	US-09-503-653A-58	Sequence 58, Appl	954	13.2	69.5	601	3	US-09-949-016-162830	Sequence 162830, A
882	13.2	69.5	267	3	US-09-016-434-857	Sequence 18443, A	955	13.2	69.5	601	3	US-09-949-016-162830	Sequence 162830, A
883	13.2	69.5	267	3	US-09-016-434-857	Sequence 857, App	956	13.2	69.5	601	3	US-09-949-016-162830	Sequence 162830, A
884	13.2	69.5	284	3	US-09-513-999C-275	Sequence 275, App	957	13.2	69.5	601	3	US-09-949-016-163182	Sequence 163182, A
885	13.2	69.5	315	3	US-09-313-294A-1407	Sequence 1407, App	958	13.2	69.5	601	3	US-09-949-016-163182	Sequence 163182, A
886	13.2	69.5	346	3	US-09-118-442-24	Sequence 24, Appl	959	13.2	69.5	601	3	US-09-949-016-185951	Sequence 185951, A
887	13.2	69.5	346	3	US-09-677-064-24	Sequence 24, Appl	960	13.2	69.5	601	3	US-09-949-016-191494	Sequence 191494, A
888	13.2	69.5	347	3	US-09-270-767-433	Sequence 433, App	961	13.2	69.5	601	3	US-09-949-016-191672	Sequence 191672, A
889	13.2	69.5	347	3	US-09-270-767-15715	Sequence 15715, A	962	13.2	69.5	601	3	US-09-949-016-191850	Sequence 191850, A
890	13.2	69.5	354	3	US-09-270-767-30716	Sequence 30716, A	963	13.2	69.5	601	3	US-09-949-016-203490	Sequence 203490, A
891	13.2	69.5	357	3	US-09-124-671-18	Sequence 18, Appl	964	13.2	69.5	601	3	US-09-949-016-203490	Sequence 203490, A
892	13.2	69.5	360	3	US-09-107-532A-70	Sequence 70, Appl	965	13.2	69.5	601	3	US-09-949-016-203490	Sequence 203490, A
893	13.2	69.5	366	3	US-09-270-767-25214	Sequence 25214, A	966	13.2	69.5	601	3	US-09-489-039-4496	Sequence 4496, Appl
894	13.2	69.5	368	3	US-09-621-976-759	Sequence 759, App	967	13.2	69.5	633	3	US-09-252-939A-15141	Sequence 15141, A
895	13.2	69.5	369	3	US-09-124-671-40	Sequence 20, Appl	968	13.2	69.5	633	3	US-09-533-559-1521	Sequence 1521, Ap
896	13.2	69.5	369	3	US-09-124-671-40	Sequence 20, Appl	969	13.2	69.5	633	3	US-09-533-559-1521	Sequence 1521, Ap
897	13.2	69.5	369	3	US-09-621-976-875	Sequence 875, App	970	13.2	69.5	650	3	US-09-533-559-6249	Sequence 6249, Ap
898	13.2	69.5	369	3	US-09-621-976-875	Sequence 875, App	971	13.2	69.5	650	3	US-09-533-559-6249	Sequence 6249, Ap
899	13.2	69.5	370	3	US-09-621-976-875	Sequence 875, App	972	13.2	69.5	650	3	US-09-533-559-6249	Sequence 6249, Ap
900	13.2	69.5	372	3	US-09-124-671-24	Sequence 24, Appl	973	13.2	69.5	705	3	US-09-489-039A-5384	Sequence 5384, Ap


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974 13.2 69.5 708 3 US-09-270-767-11725 Sequence 11725, A
c 975 13.2 69.5 717 3 US-09-902-540-5828 Sequence 5828, Ap
976 13.2 69.5 720 3 US-09-252-991A-4173 Sequence 4173, Ap
977 13.2 69.5 721 3 US-09-949-016-4524 Sequence 4524, Ap
c 978 13.2 69.5 723 3 US-09-902-540-7369 Sequence 7369, Ap
979 13.2 69.5 725 3 US-09-270-767-30476 Sequence 30476, A
980 13.2 69.5 728 4 US-09-605-703B-2363 Sequence 2363, Ap
981 13.2 69.5 765 3 US-09-124-238A-21 Sequence 21, Appl
982 13.2 69.5 765 3 US-09-721-975-21 Sequence 21, Appl
983 13.2 69.5 765 3 US-09-986-621-21 Sequence 21, Appl
984 13.2 69.5 765 3 US-09-986-625-21 Sequence 13625, A
985 13.2 69.5 770 3 US-09-270-767-13625 Sequence 355, App
986 13.2 69.5 782 3 US-09-270-767-15637 Sequence 15637, A
987 13.2 69.5 782 3 US-09-270-767-12627 Sequence 12627, A
c 988 13.2 69.5 805 3 US-09-270-767-12627 Sequence 12627, A
c 989 13.2 69.5 805 3 US-09-270-767-12627 Sequence 12627, A
c 990 13.2 69.5 816 2 US-08-822-028-26 Sequence 26, Appl
c 991 13.2 69.5 816 3 US-08-479-285-26 Sequence 26, Appl
c 992 13.2 69.5 816 3 US-09-503-653A-26 Sequence 26, Appl
c 993 13.2 69.5 819 2 US-08-822-028-25 Sequence 25, Appl
c 994 13.2 69.5 819 3 US-08-479-285-25 Sequence 25, Appl
c 995 13.2 69.5 819 3 US-09-503-653A-25 Sequence 25, Appl
c 996 13.2 69.5 819 3 US-10-272-490-71 Sequence 71, Appl
c 997 13.2 69.5 830 3 US-09-640-211A-412 Sequence 412, App
c 998 13.2 69.5 835 3 US-09-270-767-11668 Sequence 11668, A
c 999 13.2 69.5 861 3 US-09-902-540-9262 Sequence 9262, Ap
c1000 13.2 69.5 862 2 US-08-822-028-5 Sequence 5, Appl1
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ALIGNMENTS

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RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103, 840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
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Query Match 91.6%; Score 17.4; DB 3; Length 4403765;
Best Local Similarity 94.7%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Oy 1 GCGGAGCAGAAACGTCAGC 19
Db 582233 GCGGAGCAGAAACGCCAGC 582215
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RESULT 2
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
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; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103, 840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
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Query Match 91.6%; Score 17.4; DB 3; Length 4411529;
Best Local Similarity 94.7%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db 580872 GCGGAGCAGAAACGCCAGC 580854
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RESULT 3
US-09-902-540-6405/c
; Sequence 6405, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 6405
; LENGTH: 1020
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-6405
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Query Match 86.3%; Score 16.4; DB 3; Length 1020;
Best Local Similarity 94.4%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Oy 1 GCGGAGCAGAAACGTCAG 18
Db 561 GCGGAGCAGCAACTCAG 544
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RESULT 4
US-09-902-540-431
; Sequence 431, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
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SEQ ID NO 431
LENGTH: 1960
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-431

Query Match 86.3%; Score 16.4; DB 3; Length 1960;
Best Local Similarity 94.4%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
DB 1399 GCGCAGCAGCAGCAGTCAG 1416

RESULT 5
US-10-029-180-27
Sequence 27, Application US/10029180
Patent No. 6806082
GENERAL INFORMATION:
APPLICANT: Call, Brian M.
APPLICANT: Holtzman, Doug
APPLICANT: Madden, Kevin T.
APPLICANT: Milna, G. Todd
APPLICANT: Sherman, Amir
APPLICANT: Silva, Jeffrey C.
APPLICANT: Trueheart, Josh
APPLICANT: Zhang, Lixin
TITLE OF INVENTION: No. 6806082e1 Regulators of Fungal Gene Expression
FILE REFERENCE: MIC-004
CURRENT APPLICATION NUMBER: US/10/029,180
CURRENT FILING DATE: 2001-12-22
PRIOR APPLICATION NUMBER: US 60/257,431
PRIOR FILING DATE: 2000-12-22
NUMBER OF SEQ ID NOS: 138
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 27
LENGTH: 2043
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: fungal gene
US-10-029-180-27

Query Match 84.2%; Score 16; DB 3; Length 2043;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCACAGCAAAACGTCAG 18
DB 360 GCACAGCAAAACGTCAG 375

RESULT 6
US-09-404-879A-68
Sequence 68, Application US/09404879A
Patent No. 6468546
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.462C2
CURRENT APPLICATION NUMBER: US/09/404,879A
CURRENT FILING DATE: 1999-09-24
NUMBER OF SEQ ID NOS: 393
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 68
LENGTH: 511
TYPE: DNA
ORGANISM: Homo sapien
US-09-404-879A-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
DB 120 GCACAGCAGAAACGCCAGC 138

RESULT 7
US-09-338-933-68
Sequence 68, Application US/09338933
Patent No. 6488931
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer Lynn
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
FILE REFERENCE: 210121.462C1
CURRENT APPLICATION NUMBER: US/09/338,933
CURRENT FILING DATE: 1999-06-23
NUMBER OF SEQ ID NOS: 312
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 68
LENGTH: 511
TYPE: DNA
ORGANISM: Homo sapien
US-09-338-933-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
DB 120 GCACAGCAGAAACGCCAGC 138

RESULT 8
US-09-215-681-68
Sequence 68, Application US/09215681A
Patent No. 6528253
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Frudakis, Tony N.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
FILE REFERENCE: 210121.463
CURRENT APPLICATION NUMBER: US/09/215,681A
CURRENT FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 310
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 68
LENGTH: 511
TYPE: DNA
ORGANISM: Homo sapien
US-09-215-681-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
DB 120 GCACAGCAGAAACGCCAGC 138

RESULT 9
US-09-216-003A-68
Sequence 68, Application US/09216003A
Patent No. 6670463

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; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216.003A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-216-003A-68

Query Match      83.2% Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 10
US-09-667-857-68
; Sequence 68, Application US/09667857
; Patent No. 6696664
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; APPLICANT: Retter, Marc W.
; APPLICANT: Ranger, Gary Richard
; APPLICANT: Reed, Steven G.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C5
; CURRENT APPLICATION NUMBER: US/09/667,857
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-667-857-68

Query Match      83.2% Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 11
US-10-198-053-68
; Sequence 68, Application US/10198053
; Patent No. 6858710
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C9
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; CURRENT APPLICATION NUMBER: US/10/198,053
; CURRENT FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 624
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-198-053-68

Query Match      83.2% Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 12
US-09-827-271-68
; Sequence 68, Application US/09827271
; Patent No. 6962980
; GENERAL INFORMATION:
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C6
; CURRENT APPLICATION NUMBER: US/09/827,271
; CURRENT FILING DATE: 2001-04-04
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-827-271-68

Query Match      83.2% Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138

RESULT 13
US-09-878-281A-157
; Sequence 157, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
; TITLE OF INVENTION: and therapy
; FILE REFERENCE: 35
; CURRENT APPLICATION NUMBER: US/09/878,281A
; CURRENT FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 284
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
; LENGTH: 530
; TYPE: DNA
; ORGANISM: hepatitis C virus
; US-09-878-281A-157

Query Match      83.2% Score 15.8; DB 3; Length 530;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      120 GCACAGCAGAAACGCCAGC 138
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Db 240 GCGCAGCAGAACTGCAGC 258

RESULT 14

US-09-949-016-124789/C
; Sequence 124789, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 124789
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-124789

Query Match

Best Local Similarity 83.2%; Score 15.8; DB 3; Length 601;
Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19

Db 109 GTCGACGACGACGTCAGC 91

RESULT 15

US-09-489-039A-4468
; Sequence 4468, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 4468
; LENGTH: 993
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4468

Query Match

Best Local Similarity 83.2%; Score 15.8; DB 3; Length 993;
Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19

Db 823 GCGCAGCAGACATCAGC 841

RESULT 16

US-09-489-039A-5770/C
; Sequence 5770, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 5770
; LENGTH: 1098
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-5770

Query Match

Best Local Similarity 83.2%; Score 15.8; DB 3; Length 1098;
Pred. No. 2.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19

Db 846 GCGCAGCAGACATCAGC 828

RESULT 17

US-09-252-991A-1686
; Sequence 1686, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1686
; LENGTH: 1695
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1686

Query Match

Best Local Similarity 83.2%; Score 15.8; DB 3; Length 1695;
Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAAGTCAGC 19

Db 931 GCGCAGCAGAACCGCAGC 949

RESULT 18

US-09-252-991A-1492/C
; Sequence 1492, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1492
; LENGTH: 1740
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-1492

Query Match 83.2%; Score 15.8; DB 3; Length 1740;
Best Local Similarity 89.5%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAACGTCAGC 19
Db 813 GCGCAGCAGAAACCGCCAGC 795

RESULT 19

US-09-252-991A-1534/c
; Sequence 1534, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1534
; LENGTH: 1806
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1534

Query Match 83.2%; Score 15.8; DB 3; Length 1806;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAACGTCAGC 19
Db 1442 GCGCAGCAGAAACCGCCAGC 1424

RESULT 20

US-09-902-540-3896/c
; Sequence 3896, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10115849/B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 3896
; LENGTH: 1971
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-3896

Query Match 83.2%; Score 15.8; DB 3; Length 1971;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAACGTCAGC 19
Db 42 GTGCAGCAGAAACGTCGCG 24

RESULT 21

US-08-178-477B-42
; Sequence 42, Application US/08178477B
; Patent No. 5756343
; GENERAL INFORMATION:
; APPLICANT: WU, CARL; CLOS, JOACHIM;
; APPLICANT: WESTWOOD, J. TIMOTHY.; RABINDRAN, SRIDHAR
; TITLE OF INVENTION: CELL STRESS
; TITLE OF INVENTION: TRANSCRIPTIONAL FACTORS
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/178,477B
; FILING DATE: 07-JAN-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/617,910
; FILING DATE: 26-NOV-1990
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: CAROL M. GRUPEI
; REGISTRATION NUMBER: 37,341
; REFERENCE/DOCKET NUMBER: 2026-4103U51
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2781
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-178-477B-42

Query Match 83.2%; Score 15.8; DB 2; Length 2781;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCGCAGCAGAAACGTCAGC 19
Db 1417 GCGCAGCAGAAACGTCAGC 1435

RESULT 22

US-09-252-991A-8084
; Sequence 8084, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8084

LENGTH: 3018
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8084

Query Match 83.2%; Score 15.8; DB 3; Length 3018;
Best Local Similarity 89.5%; Pred. No. 2.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 2722 GAGCAGCAGAAAGCTCTGC 2740

RESULT 23
US-09-710-794-1/c
Sequence 1, Application US/09710794
Patent No. 6573069
GENERAL INFORMATION:
APPLICANT: Holloway, James L.
APPLICANT: Gao, Zeren
TITLE OF INVENTION: NOVEL CRIB PROTEIN ZMSE1
FILE REFERENCE: 99-76
CURRENT APPLICATION NUMBER: US/09/710,794
CURRENT FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: US 60/164,685
PRIOR FILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 31
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 3076
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (139)...(1266)
US-09-710-794-1

Query Match 83.2%; Score 15.8; DB 3; Length 3076;
Best Local Similarity 89.5%; Pred. No. 2.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 1707 GCACAGCAGAAAGCTCAGC 1689

RESULT 24
US-09-620-312D-266/c
Sequence 266, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Ulan-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yundong
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B

CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PL FL_genes Version 1.0
SEQ ID NO 266
LENGTH: 4549
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186)..(3362)
US-09-620-312D-266

Query Match 83.2%; Score 15.8; DB 3; Length 4549;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 1901 GCGCAGCAGCAGCCTCAGC 1883

RESULT 25
US-09-949-016-5404/c
Sequence 5404, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5404
LENGTH: 4608
TYPE: DNA
ORGANISM: Human
US-09-949-016-5404

Query Match 83.2%; Score 15.8; DB 3; Length 4608;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
DB 2203 GCGCAGCAGCAGCCTCAGC 2185

RESULT 26
US-09-949-016-1005/c
Sequence 1005, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1005
LENGTH: 4617
TYPE: DNA
ORGANISM: Human
US-09-949-016-1005

Query Match 83.2%; Score 15.8; DB 3; Length 4617;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 2203 GCGCAGCAGCAGCCTCAGC 2185

RESULT 27

US-09-620-312D-267/c
Sequence 267, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Asundi, Vinod
APPLICANT: Liu, Chenghua
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Yue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John, Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and
FILE REFERENCE: 784CIP28
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pc_FL_genes Version 1.0
SEQ ID NO 267
LENGTH: 4942
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (186)..(3755)
US-09-620-312D-267

Query Match 83.2%; Score 15.8; DB 3; Length 4942;
Best Local Similarity 89.5%; Pred. No. 3.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 1901 GCGCAGCAGCAGCCTCAGC 1883

RESULT 28

US-09-949-016-1076/c
Sequence 1076, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1076
LENGTH: 6588
TYPE: DNA
ORGANISM: Human
US-09-949-016-1076

Query Match 83.2%; Score 15.8; DB 3; Length 6588;
Best Local Similarity 89.5%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 495 GCGCAGCAGTACCTCAGC 477

RESULT 29

US-09-949-016-15145/c
Sequence 15145, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15145
LENGTH: 8920
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(8920)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15145

Query Match 83.2%; Score 15.8; DB 3; Length 8920;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
|||||
Db 1649 GCGCAGCAGTACCTCAGC 1631

RESULT 30
US-09-902-540-1192

```
; Sequence 1192, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1192
; LENGTH: 19222
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-1192

Query Match      83.2%; Score 15.8; DB 3; Length 19222;
Best Local Similarity 89.5%; Pred. No. 3.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAAGCTCAGC 19
Db      2930 GTGCAGCAGAAAGCTCCGC 2948

RESULT 31
US-09-949-016-12818/c
; Sequence 12818, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12818
; LENGTH: 30678
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1) - (30678)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12818

Query Match      83.2%; Score 15.8; DB 3; Length 30678;
Best Local Similarity 89.5%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAAGCTCAGC 19
Db      3033 GCGCAGCAGTACGTCAGC 3015

RESULT 32
US-09-949-002-665
; Sequence 665, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
```

```
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 665
; LENGTH: 34725
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-665

Query Match      83.2%; Score 15.8; DB 3; Length 34725;
Best Local Similarity 89.5%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAAGCTCAGC 19
Db      6219 GCGCAGCAGAAAGTCTCAGC 6237

RESULT 33
US-09-949-002-857
; Sequence 857, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 857
; LENGTH: 34726
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-857

Query Match      83.2%; Score 15.8; DB 3; Length 34726;
Best Local Similarity 89.5%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAAGCTCAGC 19
Db      6219 GCGCAGCAGAAAGTCTCAGC 6237

RESULT 34
US-09-949-016-12747/c
; Sequence 12747, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
```

NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12747
LENGTH: 55328
TYPE: DNA
ORGANISM: Human
US-09-949-016-12747

Query Match 83.2%; Score 15.8; DB 3; Length 55328;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 27991 GCGCAGCAGCACCCTCAGC 27973

RESULT 35
US-09-949-016-17146/C
Sequence 17146, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17146
LENGTH: 55330
TYPE: DNA
ORGANISM: Human
US-09-949-016-17146

Query Match 83.2%; Score 15.8; DB 3; Length 55330;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 27991 GCGCAGCAGCACCCTCAGC 27973

RESULT 36
US-09-949-016-15270/C
Sequence 15270, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15270
LENGTH: 192302
TYPE: DNA

ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) .. (192302)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15270

Query Match 83.2%; Score 15.8; DB 3; Length 192302;
Best Local Similarity 89.5%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 39317 GTGCAGCAGCAACGTCAGC 39299

RESULT 37
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TUBERCULOSIS
FILE REFERENCE: 24366-20007,00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match 83.2%; Score 15.8; DB 3; Length 4403765;
Best Local Similarity 89.5%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
Db 3444072 GCGCAGCAGAAACGTCAGC 3444090

RESULT 38
US-09-103-840A-1
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TUBERCULOSIS
FILE REFERENCE: 24366-20007,00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: h37rv
US-09-103-840A-1

Query Match	83.2%	Score 15.8;	DB 3;	Length 441529;
Best Local Similarity	89.5%;	Pred. No. 3.5e+02;		
Matches 17; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

QY	1	GGCGAGCAGAAACGTGAC	19
Db	3448328	GGCGCGCAGAAACGCGAC	3448346

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RESULT 39
US-09-949-016-36726/c
; Sequence 36726, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36726
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-36726

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QY      3 GCAGCAGAAACGTCAGC 19
          |||||
Db      50 GCAGCAGAAATGTCAGC 34

```

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RESULT 40
US-09-949-016-154754/C
: Sequence 154754, Application US/09949016
: Patent No. 6812339
: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: C1001307
: CURRENT APPLICATION NUMBER: US/09/949,016
: CURRENT FILING DATE: 2000-04-14
: PRIOR APPLICATION NUMBER: 60/241,755
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/237,768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231,498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 154754
: LENGTH: 601
: TYPE: DNA
: ORGANISM: Human
: US-09-949-016-154754

```

Qy 3 GCAGCAGAAACCTCAGC 19
|||
Db 50 GCAGCAGAAATGTCAGC 34

```

RESULT 41
US-09-489-039A-188
; Sequence 188, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709,2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 188
; LENGTH: 927
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-188

```

QY 3 GCAGCAGAAACGTCAGC 19
 ||| |||||
Db 158 GCACCAGAAACGTCAGC 174

```

RESULT 42
US-09-902-540-5784/c
: Sequence 5784, Application US/09902540
: Patent No. 6833447
:
: GENERAL INFORMATION:
: APPLICANT: Goldman, Barry S.
: APPLICANT: Hinkle, Gregory J.
: APPLICANT: Slater, Steven C.
: APPLICANT: Wiegand, Roger C.
: TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
: FILE REFERENCE: 38-10(15849)B
: CURRENT APPLICATION NUMBER: US/09/902,540
: CURRENT FILING DATE: 2001-07-10
: PRIOR APPLICATION NUMBER: 60/217,883
: PRIOR FILING DATE: 2000-07-10
: NUMBER OF SEQ ID NOS: 16825
: SEQ ID NO 5784
: LENGTH: 1020
: TYPE: DNA
: ORGANISM: Myxococcus xanthus
: US-09-902-540-5784

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QY		3	GCAGCAGAAACGTCAGC	19
Db		277	GCAGCAGCAACGTCAGC	261

RESULT 43
 US-09-252-991A-16144/C
 : Sequence 16144, Application US/09252991A
 : Patent No. 6551795
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Marc J. Rubenfield et al.
 : TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
 : TITLE OF INVENTION: AERGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252.991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 16144
LENGTH: 2721
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16144

Query Match 81.1%; Score 15.4; DB 3; Length 2721;
Best Local Similarity 94.1%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCAGCAAGAACTGCA 17
Db 1053 GCGCAGCGCAAACTGCA 1037

RESULT 44
US-09-902-540-1273/c
Sequence 1273, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(115849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 1273
LENGTH: 72704
TYPE: DNA
ORGANISM: Myxococcus xanthus
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(72704)
OTHER INFORMATION: unsure at all n locations
US-09-902-540-1273

Query Match 81.1%; Score 15.4; DB 3; Length 72704;
Best Local Similarity 94.1%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAAGTCAGC 19
Db 27982 GCAGCAGCAAGTCAGC 27966

RESULT 45
US-09-949-016-12706
Sequence 12706, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12706
LENGTH: 275110
TYPE: DNA
ORGANISM: Human
US-09-949-016-12706

Query Match 81.1%; Score 15.4; DB 3; Length 275110;
Best Local Similarity 94.1%; Pred. No. 8e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAAGTCAGC 19
Db 155148 GCAGCAGAAATGTCAGC 155164

RESULT 46
US-09-949-016-16070
Sequence 16070, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14,755
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 16070
LENGTH: 275110
TYPE: DNA
ORGANISM: Human
US-09-949-016-16070

Query Match 81.1%; Score 15.4; DB 3; Length 275110;
Best Local Similarity 94.1%; Pred. No. 8e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAAGTCAGC 19
Db 155148 GCAGCAGAAATGTCAGC 155164

RESULT 47
US-09-489-039A-4912/c
Sequence 4912, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 4912
LENGTH: 246
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4912

Query Match 77.9%; Score 14.8; DB 3; Length 246;
Best Local Similarity 88.9%; Pred. No. 6.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
|||
Db 180 GCGCAGCAGAAACGTCAG 163

RESULT 48

US-09-513-999C-23269/C
; Sequence 23269, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclet, A.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; NUMBER OF SEQ ID NOS: 1999-02-26
; SOFTWARE: Patent.pm
; SEQ ID NO 23269
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-23269

Query Match 77.9%; Score 14.8; DB 3; Length 286;
Best Local Similarity 88.9%; Pred. No. 6.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
|||
Db 207 GCGCAGCAGAAACGTCAG 190

RESULT 49

US-09-489-039A-1711/C
; Sequence 1711, Application US/09489039A
; Patent No. 6610835
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; NUMBER OF SEQ ID NOS: 1999-01-29
; SEQ ID NO 1711
; LENGTH: 381
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-1711

Query Match 77.9%; Score 14.8; DB 3; Length 381;
Best Local Similarity 88.9%; Pred. No. 6.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAG 18
|||
Db 52 GCGCAGCAGAAAGGTAAG 35

RESULT 50

US-09-252-991A-10
; Sequence 10, Application US/09252991A

; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10

Query Match 77.9%; Score 14.8; DB 3; Length 462;
Best Local Similarity 88.9%; Pred. No. 6.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GCGCAGCAGAAACGTCAGC 19
|||
Db 49 GCGCAGCAGATACGCGCAGC 66

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Job time : 133.153 secs

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OM nucleic - nucleic search, using sw model

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(without alignments)
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Title: US-10-086-206a-5
Perfect score: 19
Sequence: 1 gcgcagcagaacgcagc 19

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Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 1000 summaries

Database :

Published Applications NA.Main:*
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4: /cgn2_6/ptodaca/1/pubpna/US09B_PUBCOMB.seq:*
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9: /cgn2_6/ptodaca/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/ptodaca/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	19	100.0	19	US-10-086-206-5	Sequence 5, Appl1
2	17.4	91.6	684	US-10-282-122A-28205	Sequence 28205, A
3	17.4	91.6	690	US-10-282-122A-26406	Sequence 26406, A
4	17.4	91.6	86114	US-10-080-170-648	Sequence 648, App
5	17.4	91.6	86114	US-10-080-170-648	Sequence 648, App
6	17.4	91.6	86114	US-10-080-170-648	Sequence 648, App
7	17.4	89.5	3013	US-11-097-143-4295	Sequence 4295, App
8	17	89.5	5239	US-11-097-143-4294	Sequence 4294, App
9	16	84.2	356	US-10-487-901-5495	Sequence 5495, App
10	16	84.2	727	US-10-437-963-77644	Sequence 77644, A
11	16	84.2	2043	US-10-029-180-27	Sequence 27, Appl
12	16	84.2	2043	US-10-952-045-27	Sequence 27, Appl
13	16	84.2	2381	US-11-097-143-23369	Sequence 23369, A
14	16	84.2	4724	US-11-097-143-23368	Sequence 23368, A
15	15.8	83.2	452	US-09-918-995-28732	Sequence 28732, A
16	15.8	83.2	511	US-09-884-441-68	Sequence 68, Appl
17	15.8	83.2	511	US-09-907-969-68	Sequence 68, Appl
18	15.8	83.2	511	US-09-827-271-68	Sequence 68, Appl
19	15.8	83.2	511	US-10-198-053-68	Sequence 68, Appl
20	15.8	83.2	511	US-10-860-790-68	Sequence 68, Appl
21	15.8	83.2	530	US-09-899-046-157	Sequence 157, App
22	15.8	83.2	530	US-09-878-281-157	Sequence 157, App
23	15.8	83.2	530	US-09-873-224-157	Sequence 157, App

C 24	15.8	83.2	688	7	US-10-767-701-7120	Sequence 7120, App
C 25	15.8	83.2	810	7	US-10-767-701-5494	Sequence 5494, App
C 26	15.8	83.2	1023	7	US-10-282-122A-28652	Sequence 28652, A
C 27	15.8	83.2	1148	7	US-10-424-599-96209	Sequence 96209, A
C 28	15.8	83.2	1638	8	US-10-450-763-26070	Sequence 26070, A
C 29	15.8	83.2	1720	8	US-10-788-792-101	Sequence 101, App
C 30	15.8	83.2	1901	9	US-10-450-763-18273	Sequence 18273, A
C 31	15.8	83.2	1917	3	US-09-974-300-2294	Sequence 2294, App
C 32	15.8	83.2	1943	6	US-10-264-237-541	Sequence 541, App
C 33	15.8	83.2	1944	3	US-09-925-300-529	Sequence 529, App
C 34	15.8	83.2	1948	6	US-10-264-049-177	Sequence 177, App
C 35	15.8	83.2	2058	7	US-10-363-616-227	Sequence 227, App
C 36	15.8	83.2	2150	9	US-10-450-763-12625	Sequence 12625, A
C 37	15.8	83.2	2732	8	US-10-788-792-113	Sequence 113, App
C 38	15.8	83.2	2759	10	US-11-097-143-12104	Sequence 12104, A
C 39	15.8	83.2	2879	6	US-10-108-260A-2180	Sequence 2180, App
C 40	15.8	83.2	4428	10	US-11-097-143-41144	Sequence 41144, A
C 41	15.8	83.2	4549	5	US-10-037-270-266	Sequence 266, App
C 42	15.8	83.2	4549	6	US-10-117-722-266	Sequence 266, App
C 43	15.8	83.2	4549	9	US-10-122-851-266	Sequence 267, App
C 44	15.8	83.2	4942	5	US-10-037-270-267	Sequence 267, App
C 45	15.8	83.2	4942	6	US-10-117-722-267	Sequence 267, App
C 46	15.8	83.2	4942	9	US-10-122-851-267	Sequence 267, App
C 47	15.8	83.2	5669	7	US-10-182-006-3	Sequence 3, Appl1
C 48	15.8	83.2	6320	10	US-11-097-143-12103	Sequence 12103, A
C 49	15.8	83.2	6327	3	US-10-114-270-175	Sequence 175, App
C 50	15.8	83.2	6432	6	US-09-858-194-3	Sequence 3, Appl1
C 51	15.8	83.2	6432	7	US-10-154-419-3	Sequence 3, Appl1
C 52	15.8	83.2	6522	7	US-10-182-006-1	Sequence 1, Appl1
C 53	15.8	83.2	6588	8	US-10-775-920-4	Sequence 4, Appl1
C 54	15.8	83.2	6704	8	US-10-775-920-1	Sequence 1, Appl1
C 55	15.8	83.2	6704	8	US-10-775-920-3	Sequence 3, Appl1
C 56	15.8	83.2	6768	8	US-09-858-194-1	Sequence 1, Appl1
C 57	15.8	83.2	6768	6	US-10-154-419-1	Sequence 1, Appl1
C 58	15.8	83.2	6791	7	US-10-332-447-59	Sequence 59, Appl1
C 59	15.8	83.2	6804	3	US-09-995-542-4	Sequence 4, Appl1
C 60	15.8	83.2	7795	3	US-09-983-446A-8	Sequence 8, Appl1
C 61	15.8	83.2	12495	10	US-11-097-143-41143	Sequence 41143, A
C 62	15.8	83.2	24708	6	US-09-924-101-7	Sequence 7, Appl1
C 63	15.8	83.2	42611	6	US-10-161-127-2	Sequence 2, Appl1
C 64	15.8	83.2	43436	7	US-10-741-601-5638	Sequence 5638, App
C 65	15.8	83.2	684707	7	US-10-398-221-9	Sequence 9, Appl1
C 66	15.8	83.2	3011208	7	US-10-398-221-2058	Sequence 2058, App
C 67	15.4	81.1	513	5	US-10-027-632-232198	Sequence 232198, A
C 68	15.4	81.1	513	5	US-10-027-632-232198	Sequence 232198, A
C 69	15.4	81.1	513	6	US-10-027-632-232198	Sequence 232198, A
C 70	15.4	81.1	513	6	US-10-027-632-232198	Sequence 232198, A
C 71	15.4	81.1	551	4	US-09-925-065A-476269	Sequence 476269, A
C 72	15.4	81.1	602	4	US-09-925-065A-943610	Sequence 943610, A
C 73	15.4	81.1	602	4	US-09-925-065A-956705	Sequence 956705, A
C 74	15.4	81.1	607	4	US-09-925-065A-942805	Sequence 942805, A
C 75	15.4	81.1	607	4	US-09-925-065A-956286	Sequence 956286, A
C 76	15.4	81.1	612	4	US-09-925-065A-816502	Sequence 816502, A
C 77	15.4	81.1	613	4	US-09-925-065A-828209	Sequence 828209, A
C 78	15.4	81.1	645	4	US-09-925-065A-72092	Sequence 72092, A
C 79	15.4	81.1	688	4	US-09-925-065A-73136	Sequence 73136, A
C 80	15.4	81.1	688	4	US-09-925-065A-73137	Sequence 73137, A
C 81	15.4	81.1	765	10	US-11-097-143-11237	Sequence 11237, A
C 82	15.4	81.1	1983	9	US-10-450-763-17063	Sequence 17063, A
C 83	15.4	81.1	2210	9	US-10-450-763-19818	Sequence 19818, A
C 84	15.4	81.1	2442	7	US-10-282-122A-14555	Sequence 14555, A
C 85	15.4	81.1	2757	7	US-10-437-963-40886	Sequence 40886, A
C 86	15.4	81.1	2925	10	US-11-097-143-11236	Sequence 11236, A
C 87	15.4	81.1	3609	7	US-10-437-963-36462	Sequence 36462, A
C 88	15.4	81.1	4176	7	US-10-437-963-36467	Sequence 36467, A
C 89	15.4	81.1	4383	7	US-10-437-963-36464	Sequence 36464, A
C 90	15.4	81.1	4866	7	US-10-437-963-36461	Sequence 36461, A
C 91	15.4	81.1	5241	7	US-10-260-238-1492	Sequence 1492, App
C 92	15.4	81.1	5467	7	US-10-437-963-36468	Sequence 36468, A
C 93	15.4	81.1	247682	7	US-10-235-192A-28	Sequence 28, Appl1
C 94	15.4	81.1	567564	8	US-10-639-156-3	Sequence 3, Appl1
C 95	15	78.9	563	4	US-09-925-065A-228151	Sequence 228151, A
C 96	15	78.9	599	9	US-10-972-079-41591	Sequence 41591, A

97	15	78.9	733	5	US-10-027-632-21042	Sequence 21042, A	C 170	14.8	77.9	2625	8	US-10-739-930-4003	Sequence 4003, Ap
98	15	78.9	733	5	US-10-027-632-21043	Sequence 21043, A	171	14.8	77.9	2709	6	US-10-369-493-27882	Sequence 27882, A
99	15	78.9	733	5	US-10-027-632-21042	Sequence 21042, A	172	14.8	77.9	2825	10	US-11-097-143-36025	Sequence 36025, A
100	15	78.9	733	6	US-10-027-632-21043	Sequence 21043, A	173	14.8	77.9	3007	7	US-10-437-963-43565	Sequence 43565, A
C 101	15	78.9	1206	3	US-10-424-599-59214	Sequence 59214, A	174	14.8	77.9	3050	10	US-11-097-143-30046	Sequence 30046, A
C 102	15	78.9	2064	3	US-09-965-602-11	Sequence 11, Appl	175	14.8	77.9	4184	6	US-10-723-860-5360	Sequence 5360, Ap
C 103	15	78.9	495269	7	US-10-398-221-8	Sequence 8, Appl	176	14.8	77.9	4641	6	US-10-369-493-24230	Sequence 24230, A
C 104	15	3011208	25	10	US-10-398-221-2058	Sequence 2058, Ap	177	14.8	77.9	5070	10	US-11-097-143-25469	Sequence 25469, A
C 105	14.8	77.9	25	10	US-11-036-317-433291	Sequence 433291, A	C 178	14.8	77.9	5121	7	US-10-382-696-38	Sequence 38, Appl
C 106	14.8	77.9	25	10	US-11-036-317-620070	Sequence 620070, A	C 179	14.8	77.9	5155	3	US-09-835-9768-13	Sequence 13, Appl
107	14.8	77.9	100	8	US-10-644-594-279	Sequence 279, App	180	14.8	77.9	5504	10	US-11-097-143-57292	Sequence 27592, A
C 108	14.8	77.9	162	7	US-10-424-599-102676	Sequence 102676, A	181	14.8	77.9	5569	3	US-10-450-763-8364	Sequence 8364, Ap
C 109	14.8	77.9	233	7	US-10-424-599-1795	Sequence 1795, Ap	182	14.8	77.9	6348	3	US-09-919-039-366	Sequence 366, App
C 110	14.8	77.9	237	9	US-10-508-622-59	Sequence 59, Appl	183	14.8	77.9	6361	5	US-10-161-803-61	Sequence 61, Appl
C 111	14.8	77.9	245	7	US-10-424-599-90660	Sequence 90660, A	184	14.8	77.9	6371	3	US-09-457-571-13	Sequence 13, Appl
C 112	14.8	77.9	352	3	US-09-974-300-1997	Sequence 1997, Ap	185	14.8	77.9	6371	8	US-10-474-778-1	Sequence 1, Appl
C 113	14.8	77.9	393	7	US-10-779-543-9162	Sequence 9162, Ap	186	14.8	77.9	6371	8	US-10-768-798-13	Sequence 13, Appl
C 114	14.8	77.9	467	7	US-10-424-599-72294	Sequence 72294, A	187	14.8	77.9	6404	3	US-09-457-571-14	Sequence 14, Appl
C 115	14.8	77.9	516	3	US-09-814-353-21212	Sequence 21212, A	188	14.8	77.9	6404	3	US-09-457-571-9	Sequence 9, Appl
C 116	14.8	77.9	522	8	US-10-425-115-58979	Sequence 58979, A	189	14.8	77.9	6452	3	US-10-768-798-9	Sequence 9, Appl
C 117	14.8	77.9	551	9	US-10-450-763-24655	Sequence 24655, A	C 190	14.8	77.9	6501	6	US-10-310-154-336	Sequence 336, App
C 118	14.8	77.9	560	4	US-09-925-065A-216346	Sequence 216346, A	C 191	14.8	77.9	6501	9	US-10-732-923-283	Sequence 283, App
C 119	14.8	77.9	574	7	US-10-437-963-154	Sequence 154, App	C 192	14.8	77.9	6568	10	US-11-097-143-40166	Sequence 40166, A
C 120	14.8	77.9	593	5	US-10-027-632-256116	Sequence 256116, A	193	14.8	77.9	7214	10	US-11-097-143-20695	Sequence 20695, A
C 121	14.8	77.9	593	6	US-10-027-632-256116	Sequence 256116, A	194	14.8	77.9	7214	10	US-11-097-143-42212	Sequence 42212, A
C 122	14.8	77.9	604	3	US-09-814-353-117115	Sequence 117115, A	195	14.8	77.9	7335	10	US-11-097-143-25468	Sequence 25468, A
C 123	14.8	77.9	611	5	US-10-027-632-115074	Sequence 115074, A	196	14.8	77.9	7335	10	US-11-097-143-25468	Sequence 25468, A
C 124	14.8	77.9	611	5	US-10-027-632-115075	Sequence 115075, A	197	14.8	77.9	15620	3	US-09-928-457-16	Sequence 36, Appl
C 125	14.8	77.9	611	6	US-10-027-632-115075	Sequence 115075, A	C 198	14.8	77.9	19058	10	US-11-097-143-42211	Sequence 42211, A
C 126	14.8	77.9	611	6	US-10-027-632-115075	Sequence 115075, A	199	14.8	77.9	21779	7	US-10-672-396-9	Sequence 9, Appl
C 127	14.8	77.9	611	6	US-10-027-632-115075	Sequence 115075, A	200	14.8	77.9	21779	10	US-11-097-143-40165	Sequence 40165, A
C 128	14.8	77.9	642	7	US-09-925-065A-881373	Sequence 881373, A	201	14.8	77.9	22197	5	US-10-087-192-1156	Sequence 1156, Ap
C 129	14.8	77.9	661	7	US-10-767-701-4532	Sequence 4532, Ap	C 202	14.8	77.9	49914	9	US-10-915-740A-19	Sequence 19, Appl
C 130	14.8	77.9	676	9	US-10-487-901-3338	Sequence 3238, Ap	C 203	14.8	77.9	73038	7	US-10-322-696-37	Sequence 37, Appl
C 131	14.8	77.9	681	7	US-10-332-859-229	Sequence 229, App	C 204	14.8	77.9	76574	10	US-11-097-143-2398	Sequence 2398, Ap
C 132	14.8	77.9	699	10	US-11-097-143-30047	Sequence 30047, A	205	14.8	77.9	78313	7	US-10-052-482-124	Sequence 124, App
C 133	14.8	77.9	741	5	US-10-027-632-22320	Sequence 22320, A	C 206	14.8	77.9	155937	8	US-10-723-860-2208	Sequence 2208, Ap
C 134	14.8	77.9	815	8	US-10-425-115-4375	Sequence 4375, A	C 207	14.8	77.9	175189	8	US-10-741-600-17738	Sequence 17738, A
C 135	14.8	77.9	825	10	US-11-097-143-36026	Sequence 36026, A	C 208	14.8	77.9	235033	5	US-10-301-844-1	Sequence 1, Appl
C 136	14.8	77.9	848	8	US-10-425-115-72164	Sequence 72164, A	209	14.8	77.9	237326	5	US-10-301-844-2	Sequence 2, Appl
C 137	14.8	77.9	936	7	US-10-437-966-75502	Sequence 75502, A	210	14.8	77.9	2242716	9	US-10-915-740A-1068	Sequence 1068, Ap
C 138	14.8	77.9	1166	7	US-10-282-122A-44024	Sequence 24024, A	C 211	14.8	77.9	226666	3	US-10-470-655-1	Sequence 1, Appl
C 139	14.8	77.9	1203	3	US-09-741-669-217	Sequence 217, App	212	14.8	77.9	3309400	6	US-09-738-626-1	Sequence 1, Appl
C 140	14.8	77.9	1203	7	US-10-282-122A-6466	Sequence 6466, Ap	213	14.8	77.9	9025608	6	US-10-156-761-1	Sequence 1, Appl
C 141	14.8	77.9	1211	7	US-10-767-701-13783	Sequence 13783, A	214	14.4	75.8	25	7	US-10-719-956-645280	Sequence 645280, A
C 142	14.8	77.9	1281	7	US-10-437-963-43598	Sequence 43598, A	C 215	14.4	75.8	25	7	US-10-719-956-645280	Sequence 645280, A
C 143	14.8	77.9	1386	3	US-09-738-626-22388	Sequence 2388, Ap	C 216	14.4	75.8	28	3	US-09-865-171-9	Sequence 9, Appl
C 144	14.8	77.9	1425	6	US-10-156-761-3628	Sequence 5628, Ap	C 217	14.4	75.8	30	3	US-09-865-171-9	Sequence 9, Appl
C 145	14.8	77.9	1494	8	US-10-739-930-5003	Sequence 5003, Ap	C 218	14.4	75.8	180	7	US-10-242-555A-43493	Sequence 43493, A
C 146	14.8	77.9	1509	8	US-10-781-014-477	Sequence 477, App	C 219	14.4	75.8	180	7	US-10-085-783A-43493	Sequence 43493, A
C 147	14.8	77.9	1528	8	US-10-494-836-37	Sequence 37, Appl	C 220	14.4	75.8	232	8	US-10-425-115-69932	Sequence 8932, A
C 148	14.8	77.9	1587	7	US-10-425-114-32893	Sequence 32893, A	C 221	14.4	75.8	264	7	US-10-437-963-82804	Sequence 82804, A
C 149	14.8	77.9	1590	6	US-10-264-049-154	Sequence 154, App	C 222	14.4	75.8	335	8	US-10-425-115-78446	Sequence 78446, A
C 150	14.8	77.9	1638	6	US-10-282-122A-59905	Sequence 39905, A	C 223	14.4	75.8	343	9	US-10-779-543-12848	Sequence 12848, A
C 151	14.8	77.9	1692	6	US-10-148-724A-1	Sequence 1, Appl	C 224	14.4	75.8	377	8	US-10-425-115-10436	Sequence 10436, A
C 152	14.8	77.9	1692	6	US-10-148-724A-3	Sequence 3, Appl	C 225	14.4	75.8	396	3	US-09-917-800A-622	Sequence 622, App
C 153	14.8	77.9	1692	6	US-10-148-724A-4	Sequence 4, Appl	C 226	14.4	75.8	400	7	US-10-242-555A-8256	Sequence 8256, Ap
C 154	14.8	77.9	1692	6	US-10-148-724A-6	Sequence 6, Appl	C 227	14.4	75.8	400	7	US-10-085-783A-8256	Sequence 8256, Ap
C 155	14.8	77.9	1692	6	US-10-148-724A-7	Sequence 7, Appl	C 228	14.4	75.8	400	7	US-10-437-963-16577	Sequence 16577, A
C 156	14.8	77.9	1692	6	US-10-148-724A-8	Sequence 8, Appl	C 229	14.4	75.8	403	7	US-10-242-555A-31829	Sequence 31829, A
C 157	14.8	77.9	1702	10	US-11-097-143-80696	Sequence 20696, A	C 230	14.4	75.8	403	7	US-10-085-783A-31829	Sequence 31829, A
C 158	14.8	77.9	1752	10	US-11-097-143-27593	Sequence 27593, A	C 231	14.4	75.8	407	3	US-09-865-171-8	Sequence 8, Appl
C 159	14.8	77.9	1752	10	US-10-450-763-24471	Sequence 24471, A	C 232	14.4	75.8	414	7	US-10-282-122A-19117	Sequence 19117, A
C 160	14.8	77.9	1762	8	US-10-425-115-68054	Sequence 68054, A	233	14.4	75.8	423	8	US-10-357-930-4623	Sequence 4623, Ap
C 161	14.8	77.9	1773	9	US-10-450-763-13818	Sequence 13818, A	234	14.4	75.8	449	3	US-09-738-705-20	Sequence 20, Appl
C 162	14.8	77.9	1776	3	US-09-943-446-3	Sequence 3, Appl	235	14.4	75.8	449	3	US-09-850-716A-20	Sequence 20, Appl
C 163	14.8	77.9	1776	3	US-09-943-446-4	Sequence 4, Appl	236	14.4	75.8	449	3	US-09-897-778-20	Sequence 20, Appl
C 164	14.8	77.9	1776	3	US-09-943-446-5	Sequence 5, Appl	237	14.4	75.8	449	3	US-09-466-336A-20	Sequence 20, Appl
C 165	14.8	77.9	1785	7	US-10-282-122A-19591	Sequence 19591, A	238	14.4	75.8	449	6	US-10-007-700-20	Sequence 20, Appl
C 166	14.8	77.9	2051	6	US-10-267-730-3	Sequence 3, Appl	239	14.4	75.8	449	6	US-10-117-982-20	Sequence 20, Appl
C 167	14.8	77.9	2065	7	US-10-152-319A-1741	Sequence 1741, Ap	240	14.4	75.8	449	6	US-10-313-986-20	Sequence 20, Appl
C 168	14.8	77.9	2445	8	US-10-739-930-2242	Sequence 2242, Ap	241	14.4	75.8	449	8	US-10-775-972-20	Sequence 20, Appl
C 169	14.8	77.9	2502	7	US-10-282-122A-29589	Sequence 29589, A	242	14.4	75.8	449	9	US-10-922-121A-20	Sequence 20, Appl

243	14.4	75.8	450	7	US-10-398-221-342	Sequence 342, App	C 316	14.4	75.8	1166	7	US-10-767-701-10911	Sequence 10911, A
C 244	14.4	75.8	458	9	US-10-972-079-43085	Sequence 43085, A	C 317	14.4	75.8	1168	8	US-10-425-115-144221	Sequence 144221, A
C 245	14.4	75.8	462	9	US-10-972-079-43084	Sequence 43084, A	C 318	14.4	75.8	1194	4	US-09-925-065A-35394	Sequence 35394, A
246	14.4	75.8	469	7	US-10-242-535A-31398	Sequence 31398, A	C 319	14.4	75.8	1194	4	US-09-925-065A-35395	Sequence 35395, A
247	14.4	75.8	469	7	US-10-085-783A-31398	Sequence 31398, A	C 320	14.4	75.8	1194	4	US-09-925-065A-90273	Sequence 90273, A
248	14.4	75.8	471	3	US-09-895-828-358	Sequence 358, App	C 321	14.4	75.8	1242	8	US-10-425-115-6110	Sequence 6110, App
249	14.4	75.8	471	5	US-10-114-666-358	Sequence 358, App	C 322	14.4	75.8	1280	3	US-09-878-328A-3	Sequence 3, App11
250	14.4	75.8	476	3	US-09-864-761-5929	Sequence 5929, App	C 323	14.4	75.8	1280	3	US-09-870-216C-1	Sequence 1, App11
251	14.4	75.8	488	3	US-09-220-920-73	Sequence 73, App1	C 324	14.4	75.8	1280	5	US-10-017-327-1	Sequence 1, App11
C 252	14.4	75.8	488	3	US-09-220-920-73	Sequence 73, App1	C 325	14.4	75.8	1280	5	US-10-887-653A-601	Sequence 601, App
C 253	14.4	75.8	491	7	US-10-767-701-3406	Sequence 3406, App	C 326	14.4	75.8	1280	9	US-10-956-157-1110	Sequence 1110, App
C 254	14.4	75.8	542	3	US-09-814-353-15325	Sequence 15325, A	C 327	14.4	75.8	1280	9	US-10-956-157-6345	Sequence 6345, App
C 255	14.4	75.8	571	3	US-10-739-565-5	Sequence 5, App11	C 328	14.4	75.8	1313	6	US-10-369-493-32146	Sequence 33146, A
C 256	14.4	75.8	571	9	US-10-839-092-40	Sequence 40, App1	C 329	14.4	75.8	1337	7	US-09-925-100-413	Sequence 413, App
257	14.4	75.8	574	9	US-09-969-034-1482	Sequence 1482, App	C 330	14.4	75.8	1357	7	US-10-425-114-16339	Sequence 16339, A
C 258	14.4	75.8	577	9	US-10-972-079-30922	Sequence 30922, A	C 331	14.4	75.8	1381	7	US-10-425-114-27711	Sequence 27711, A
C 259	14.4	75.8	583	4	US-09-925-065A-410851	Sequence 410851, A	C 332	14.4	75.8	1437	6	US-10-235-220-9	Sequence 9, App11
C 260	14.4	75.8	589	4	US-09-925-065A-942749	Sequence 942749, A	C 333	14.4	75.8	1441	6	US-10-425-114-19613	Sequence 19613, A
261	14.4	75.8	594	3	US-09-731-872-123	Sequence 123, App	C 334	14.4	75.8	1466	6	US-10-369-493-29308	Sequence 29308, A
262	14.4	75.8	594	3	US-09-876-997-123	Sequence 123, App	C 335	14.4	75.8	1505	8	US-10-425-115-181251	Sequence 181251, A
263	14.4	75.8	594	9	US-10-643-836-123	Sequence 123, App	C 336	14.4	75.8	1509	9	US-10-840-060-120	Sequence 120, App
C 264	14.4	75.8	600	7	US-10-437-963-68383	Sequence 68383, A	C 337	14.4	75.8	1509	10	US-11-097-143-33335	Sequence 33335, App
C 265	14.4	75.8	600	9	US-10-972-079-30920	Sequence 30920, A	C 338	14.4	75.8	1547	7	US-10-315-379-3	Sequence 3, App11
C 266	14.4	75.8	600	9	US-10-972-079-30921	Sequence 30921, A	C 339	14.4	75.8	1678	8	US-10-425-115-14757	Sequence 14757, A
C 267	14.4	75.8	600	9	US-10-972-079-33083	Sequence 33083, A	C 340	14.4	75.8	1701	7	US-10-424-599-78903	Sequence 78903, A
268	14.4	75.8	603	4	US-09-925-065A-923516	Sequence 923516, A	C 341	14.4	75.8	1706	6	US-10-369-493-42443	Sequence 42443, A
269	14.4	75.8	603	4	US-09-925-065A-923517	Sequence 923517, A	C 342	14.4	75.8	1713	7	US-10-437-963-40006	Sequence 40006, A
270	14.4	75.8	604	3	US-09-736-457-258	Sequence 258, App	C 343	14.4	75.8	1820	7	US-10-437-963-32378	Sequence 32378, A
271	14.4	75.8	604	3	US-09-902-941-358	Sequence 258, App	C 344	14.4	75.8	1908	6	US-10-369-493-33615	Sequence 33615, A
272	14.4	75.8	604	3	US-09-849-626-258	Sequence 258, App	C 345	14.4	75.8	1985	7	US-10-424-599-39416	Sequence 39416, A
273	14.4	75.8	604	5	US-09-476-300-258	Sequence 258, App	C 346	14.4	75.8	2142	8	US-09-801-368-407	Sequence 407, App
274	14.4	75.8	604	5	US-10-017-754-258	Sequence 258, App	C 347	14.4	75.8	2142	8	US-10-793-639-331	Sequence 331, App
275	14.4	75.8	604	6	US-10-113-872-258	Sequence 258, App	C 348	14.4	75.8	2148	5	US-10-027-632-256423	Sequence 256423, A
276	14.4	75.8	604	6	US-10-283-017-258	Sequence 258, App	C 349	14.4	75.8	2148	5	US-10-027-632-256424	Sequence 256424, A
277	14.4	75.8	608	3	US-09-969-034-2836	Sequence 2836, App	C 350	14.4	75.8	2148	6	US-10-027-632-256423	Sequence 256423, A
278	14.4	75.8	613	7	US-10-424-599-78905	Sequence 78905, A	C 351	14.4	75.8	2148	6	US-10-027-632-256424	Sequence 256424, A
279	14.4	75.8	627	4	US-09-925-065A-731814	Sequence 731815, A	C 352	14.4	75.8	2274	10	US-11-097-143-256424	Sequence 256424, A
280	14.4	75.8	627	4	US-09-925-065A-731815	Sequence 731815, A	C 353	14.4	75.8	2275	9	US-10-007-693-154	Sequence 154, App
281	14.4	75.8	627	4	US-09-925-065A-811331	Sequence 811331, A	C 354	14.4	75.8	2275	10	US-10-197-220-154	Sequence 154, App
282	14.4	75.8	627	5	US-10-027-632-282728	Sequence 282728, A	C 355	14.4	75.8	2275	10	US-11-109-468-154	Sequence 154, App
283	14.4	75.8	627	6	US-10-027-632-282728	Sequence 282728, A	C 356	14.4	75.8	2285	3	US-09-814-353-70501	Sequence 70501, A
284	14.4	75.8	636	8	US-10-425-115-33761	Sequence 33761, A	C 357	14.4	75.8	2310	8	US-10-739-930-676	Sequence 676, App
C 285	14.4	75.8	645	8	US-10-425-115-119813	Sequence 119813, A	C 358	14.4	75.8	2468	8	US-10-425-115-181256	Sequence 181256, A
C 286	14.4	75.8	646	4	US-09-925-065A-710025	Sequence 710025, A	C 359	14.4	75.8	2466	7	US-10-425-114-34953	Sequence 34953, A
C 287	14.4	75.8	646	4	US-09-925-065A-710026	Sequence 710026, A	C 360	14.4	75.8	2528	3	US-09-865-171-37	Sequence 37, App1
288	14.4	75.8	719	4	US-09-925-065A-5473	Sequence 5473, App	C 361	14.4	75.8	2528	3	US-09-865-171-41	Sequence 41, App1
289	14.4	75.8	723	4	US-09-925-065A-5474	Sequence 5474, App	C 362	14.4	75.8	2528	5	US-10-041-007-13	Sequence 13, App1
290	14.4	75.8	723	4	US-09-925-065A-919372	Sequence 919372, A	C 363	14.4	75.8	2571	3	US-09-865-171-12	Sequence 12, App1
C 291	14.4	75.8	726	3	US-09-938-842A-890	Sequence 890, App	C 364	14.4	75.8	2572	8	US-10-425-115-25464	Sequence 25464, A
C 292	14.4	75.8	726	3	US-09-938-842A-890	Sequence 890, App	C 365	14.4	75.8	2572	8	US-11-097-143-35242	Sequence 35242, A
293	14.4	75.8	759	5	US-10-027-632-170736	Sequence 170736, A	C 366	14.4	75.8	2634	6	US-10-108-260A-421	Sequence 421, App
294	14.4	75.8	759	6	US-10-027-632-170736	Sequence 170736, A	C 367	14.4	75.8	2728	7	US-10-302-172-620	Sequence 620, App
295	14.4	75.8	812	5	US-10-027-632-152162	Sequence 152162, A	C 368	14.4	75.8	2770	9	US-10-498-788-44	Sequence 44, App1
296	14.4	75.8	812	6	US-10-027-632-152162	Sequence 152162, A	C 369	14.4	75.8	2810	9	US-10-437-963-76828	Sequence 76828, A
297	14.4	75.8	815	8	US-10-653-047-1115	Sequence 1115, App	C 370	14.4	75.8	2966	4	US-09-925-065A-70463	Sequence 70463, A
C 298	14.4	75.8	880	5	US-10-027-632-171225	Sequence 171225, A	C 371	14.4	75.8	2968	10	US-11-097-143-12644	Sequence 12644, A
C 299	14.4	75.8	880	5	US-10-027-632-171226	Sequence 171226, A	C 372	14.4	75.8	2995	10	US-11-097-143-20660	Sequence 20660, A
C 300	14.4	75.8	880	5	US-10-027-632-171227	Sequence 171227, A	C 373	14.4	75.8	3078	7	US-10-437-963-40003	Sequence 40003, A
C 301	14.4	75.8	880	5	US-10-027-632-171228	Sequence 171228, A	C 374	14.4	75.8	3695	10	US-11-097-143-33334	Sequence 33334, App
C 302	14.4	75.8	880	6	US-10-027-632-171225	Sequence 171225, A	C 375	14.4	75.8	4116	7	US-10-437-963-68882	Sequence 68882, A
C 303	14.4	75.8	880	6	US-10-027-632-171226	Sequence 171226, A	C 376	14.4	75.8	4252	10	US-11-097-143-18100	Sequence 18100, A
C 304	14.4	75.8	880	6	US-10-027-632-171227	Sequence 171227, A	C 377	14.4	75.8	4274	9	US-11-097-143-22861	Sequence 22861, A
C 305	14.4	75.8	880	6	US-10-027-632-171228	Sequence 171228, A	C 378	14.4	75.8	4473	10	US-10-645-335-1	Sequence 1, App11
C 306	14.4	75.8	916	7	US-10-425-114-34048	Sequence 34048, A	C 379	14.4	75.8	4517	6	US-10-093-463-153	Sequence 153, App
C 307	14.4	75.8	948	8	US-10-425-115-6112	Sequence 6112, App	C 380	14.4	75.8	4935	6	US-10-485-986-40	Sequence 40, App1
C 308	14.4	75.8	1014	8	US-10-425-114-41415	Sequence 14145, A	C 381	14.4	75.8	4988	6	US-10-288-798-48	Sequence 48, App1
C 309	14.4	75.8	1039	7	US-10-767-701-10020	Sequence 10020, A	C 382	14.4	75.8	4988	7	US-10-362-892-48	Sequence 48, App1
C 310	14.4	75.8	1050	7	US-10-451-686-31	Sequence 1, App11	C 383	14.4	75.8	4995	10	US-11-097-143-20659	Sequence 20659, A
311	14.4	75.8	1056	7	US-10-425-114-21446	Sequence 21446, A	C 384	14.4	75.8	5940	9	US-09-997-722-293	Sequence 293, App
312	14.4	75.8	1111	7	US-10-767-701-1939	Sequence 1939, App	C 385	14.4	75.8	5940	9	US-10-956-157-2341	Sequence 2341, App
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C 314	14.4	75.8	1140	7	US-10-425-114-17900	Sequence 17900, A	C 387	14.4	75.8	6224	6	US-10-120-988-91	Sequence 91, App1
315	14.4	75.8	1144	7	US-10-302-172-278	Sequence 278, App	C 388	14.4	75.8	6580	10	US-11-097-143-23500	Sequence 23500, A

389	14.4	75.8	7053	3	US-09-070-9277A-78	Sequence 78, Appl
390	14.4	75.8	7701	7	US-10-437-963-38245	Sequence 38245, A
C 391	14.4	75.8	8942	10	US-11-097-143-13963	Sequence 13963, A
C 392	14.4	75.8	13152	6	US-10-062-674-1811	Sequence 1811, Ap
C 393	14.4	75.8	13655	10	US-11-097-143-12643	Sequence 12643, A
C 394	14.4	75.8	14040	3	US-09-764-881-5478	Sequence 5478, Ap
C 395	14.4	75.8	14040	3	US-09-764-891-10205	Sequence 10205, A
C 396	14.4	75.8	14040	5	US-10-205-428-1004	Sequence 1004, Ap
397	14.4	75.8	16000	7	US-10-303-325-4	Sequence 4, Appl
398	14.4	75.8	24080	3	US-09-997-722-79	Sequence 79, Appl
C 399	14.4	75.8	38269	6	US-10-085-117-325	Sequence 325, App
C 400	14.4	75.8	96587	3	US-09-997-722-250	Sequence 250, App
C 401	14.4	75.8	96588	3	US-09-997-722-292	Sequence 292, App
C 402	14.4	75.8	96597	3	US-09-997-722-289	Sequence 289, App
C 403	14.4	75.8	114633	5	US-10-087-192-727	Sequence 727, App
C 404	14.4	75.8	289764	8	US-10-719-993-6780	Sequence 6780, Ap
C 405	14.4	75.8	350764	5	US-10-087-192-1864	Sequence 1864, Ap
C 406	14.4	75.8	684707	7	US-10-398-221-9	Sequence 9, Appl
C 407	14.4	75.8	2731748	7	US-10-297-465A-1	Sequence 1, Appl
C 408	14.2	74.7	25	8	US-10-719-900-142346	Sequence 142346, A
C 409	14.2	74.7	25	8	US-10-719-900-516755	Sequence 516755, A
C 410	14.2	74.7	25	8	US-10-719-900-804558	Sequence 804558, A
C 411	14.2	74.7	25	9	US-10-956-157-177783	Sequence 177783, A
C 412	14.2	74.7	25	10	US-11-036-317-1709350	Sequence 1709350, A
C 413	14.2	74.7	25	10	US-11-036-317-827904	Sequence 827904, A
C 414	14.2	74.7	25	10	US-11-036-317-872904	Sequence 872904, A
C 415	14.2	74.7	25	10	US-11-036-317-887817	Sequence 887817, A
C 416	14.2	74.7	25	10	US-11-036-317-898509	Sequence 898509, A
C 417	14.2	74.7	25	10	US-11-036-317-915396	Sequence 915396, A
C 418	14.2	74.7	138	3	US-09-244-694-119	Sequence 129, App
C 419	14.2	74.7	222	7	US-10-767-701-30426	Sequence 30426, A
C 420	14.2	74.7	226	7	US-10-437-963-57435	Sequence 57435, A
C 421	14.2	74.7	233	8	US-10-425-115-100822	Sequence 100822, A
C 422	14.2	74.7	245	3	US-09-922-217-576	Sequence 576, App
C 423	14.2	74.7	245	3	US-09-833-263-576	Sequence 576, App
C 424	14.2	74.7	245	8	US-10-023-380-576	Sequence 576, App
C 425	14.2	74.7	256	7	US-10-425-115-88718	Sequence 88718, A
C 426	14.2	74.7	256	7	US-10-437-963-67207	Sequence 67207, A
C 427	14.2	74.7	294	3	US-09-244-694-137	Sequence 137, App
C 428	14.2	74.7	321	3	US-09-835-976B-79	Sequence 79, Appl
C 429	14.2	74.7	327	8	US-10-696-639-1331	Sequence 1331, Ap
C 430	14.2	74.7	349	3	US-09-815-343-69	Sequence 69, Appl
C 431	14.2	74.7	356	3	US-10-097-105-69	Sequence 69, Appl
C 432	14.2	74.7	356	3	US-09-928-457-9	Sequence 9, Appl
C 433	14.2	74.7	362	3	US-09-244-694-138	Sequence 138, App
C 434	14.2	74.7	378	9	US-10-450-763-28565	Sequence 28565, A
C 435	14.2	74.7	390	8	US-10-425-115-102164	Sequence 102164, A
C 436	14.2	74.7	405	10	US-11-097-143-13919	Sequence 13919, A
C 437	14.2	74.7	406	7	US-10-425-115-76899	Sequence 76899, A
C 438	14.2	74.7	408	7	US-10-437-963-65954	Sequence 65954, A
C 439	14.2	74.7	408	8	US-10-357-930-58161	Sequence 58161, A
C 440	14.2	74.7	409	7	US-10-029-020-9	Sequence 9, Appl
C 441	14.2	74.7	460	3	US-09-866-050A-428	Sequence 428, App
C 442	14.2	74.7	460	3	US-10-152-661-428	Sequence 428, App
C 443	14.2	74.7	467	6	US-10-080-254-52	Sequence 52, Appl
C 444	14.2	74.7	467	6	US-10-242-355-321	Sequence 321, App
C 445	14.2	74.7	477	3	US-09-962-436-341	Sequence 341, App
C 446	14.2	74.7	477	3	US-09-954-456-328	Sequence 328, App
C 447	14.2	74.7	477	3	US-09-954-456-1244	Sequence 1244, Ap
C 448	14.2	74.7	477	9	US-10-843-641A-2800	Sequence 2800, Ap
C 449	14.2	74.7	477	9	US-10-843-641A-3155	Sequence 3155, Ap
C 450	14.2	74.7	477	9	US-10-843-641A-4771	Sequence 4771, Ap
C 451	14.2	74.7	487	7	US-10-424-599-643	Sequence 643, App
C 452	14.2	74.7	488	4	US-09-925-065A-223065	Sequence 223065, A
C 453	14.2	74.7	498	10	US-11-097-143-23504	Sequence 23504, A
C 454	14.2	74.7	500	3	US-09-867-701-2973	Sequence 2973, Ap
C 455	14.2	74.7	501	3	US-09-866-050A-37	Sequence 37, Appl
C 456	14.2	74.7	501	3	US-09-866-050A-207	Sequence 207, App
C 457	14.2	74.7	501	5	US-10-152-661-37	Sequence 37, Appl
C 458	14.2	74.7	501	5	US-10-152-661-207	Sequence 207, App
C 459	14.2	74.7	508	7	US-10-425-114-1931	Sequence 1931, App
C 460	14.2	74.7	510	9	US-10-972-079-70610	Sequence 70610, A
C 461	14.2	74.7	516	5	US-10-171-581-113	Sequence 113, App
C 462	14.2	74.7	516	6	US-10-156-761-16	Sequence 16, Appl
C 463	14.2	74.7	519	8	US-10-425-115-11330	Sequence 11330, A
C 464	14.2	74.7	519	8	US-10-972-079-80705	Sequence 80705, A
C 465	14.2	74.7	530	3	US-10-425-115-151239	Sequence 151239, A
C 466	14.2	74.7	531	3	US-09-884-441-94	Sequence 94, Appl
C 467	14.2	74.7	531	3	US-09-907-969-94	Sequence 94, Appl
C 468	14.2	74.7	531	3	US-09-827-271-94	Sequence 94, Appl
C 469	14.2	74.7	531	6	US-10-198-053-94	Sequence 94, Appl
C 470	14.2	74.7	534	8	US-10-860-790-94	Sequence 94, Appl
C 471	14.2	74.7	537	7	US-09-925-065A-856735	Sequence 856735, A
C 472	14.2	74.7	540	7	US-10-021-323-2959	Sequence 2959, App
C 473	14.2	74.7	544	4	US-10-021-323-1744	Sequence 1744, Ap
C 474	14.2	74.7	544	4	US-09-925-065A-197656	Sequence 197656, A
C 475	14.2	74.7	544	4	US-09-925-065A-197657	Sequence 197657, A
C 476	14.2	74.7	544	4	US-09-925-065A-197658	Sequence 197658, A
C 477	14.2	74.7	547	4	US-09-925-065A-820887	Sequence 820887, A
C 478	14.2	74.7	552	8	US-10-425-115-44633	Sequence 44633, A
C 479	14.2	74.7	554	7	US-10-021-323-2901	Sequence 2901, Ap
C 480	14.2	74.7	561	4	US-09-925-065A-255176	Sequence 255176, A
C 481	14.2	74.7	562	6	US-10-264-237-1032	Sequence 1032, Ap
C 482	14.2	74.7	567	4	US-09-925-065A-155692	Sequence 155692, A
C 483	14.2	74.7	567	8	US-10-425-115-178032	Sequence 178032, A
C 484	14.2	74.7	569	7	US-10-437-963-12558	Sequence 12558, A
C 485	14.2	74.7	583	9	US-10-972-079-80704	Sequence 80704, A
C 486	14.2	74.7	584	4	US-09-925-065A-41045	Sequence 41045, A
C 487	14.2	74.7	586	7	US-10-424-599-105452	Sequence 105452, A
C 488	14.2	74.7	594	7	US-10-021-333-3335	Sequence 3335, Ap
C 489	14.2	74.7	596	8	US-10-425-115-157662	Sequence 157662, A
C 490	14.2	74.7	599	7	US-10-437-963-44879	Sequence 44879, A
C 491	14.2	74.7	599	9	US-10-972-079-80702	Sequence 80702, A
C 492	14.2	74.7	600	9	US-10-972-079-19587	Sequence 19587, A
C 493	14.2	74.7	600	9	US-10-972-079-27251	Sequence 27251, A
C 494	14.2	74.7	600	9	US-10-972-079-57741	Sequence 57741, A
C 495	14.2	74.7	600	9	US-10-972-079-57742	Sequence 57742, A
C 496	14.2	74.7	600	9	US-10-972-079-77642	Sequence 77642, A
C 497	14.2	74.7	600	9	US-10-972-079-80703	Sequence 80703, A
C 498	14.2	74.7	605	4	US-09-925-065A-937573	Sequence 937573, A
C 499	14.2	74.7	606	8	US-10-357-930-54354	Sequence 54354, A
C 500	14.2	74.7	610	7	US-10-767-701-11047	Sequence 31047, A
C 501	14.2	74.7	611	7	US-10-021-333-1177	Sequence 1177, Ap
C 502	14.2	74.7	612	5	US-10-027-632-266047	Sequence 266047, A
C 503	14.2	74.7	612	5	US-10-027-632-266048	Sequence 266048, A
C 504	14.2	74.7	612	6	US-10-027-632-266048	Sequence 266048, A
C 505	14.2	74.7	613	6	US-10-027-632-266048	Sequence 266048, A
C 506	14.2	74.7	613	8	US-10-425-115-179157	Sequence 179157, A
C 507	14.2	74.7	614	5	US-10-027-632-278404	Sequence 278404, A
C 508	14.2	74.7	614	5	US-10-027-632-278405	Sequence 278405, A
C 509	14.2	74.7	614	6	US-10-027-632-278405	Sequence 278405, A
C 510	14.2	74.7	614	6	US-10-027-632-278405	Sequence 278405, A
C 511	14.2	74.7	618	5	US-10-027-632-278403	Sequence 278403, A
C 512	14.2	74.7	618	6	US-10-027-632-278403	Sequence 278403, A
C 513	14.2	74.7	618	6	US-10-450-763-28768	Sequence 28768, A
C 514	14.2	74.7	625	5	US-10-027-632-134440	Sequence 134440, A
C 515	14.2	74.7	625	6	US-10-027-632-134440	Sequence 134440, A
C 516	14.2	74.7	627	8	US-10-027-632-150466	Sequence 150466, A
C 517	14.2	74.7	628	7	US-10-021-333-1239	Sequence 1239, Ap
C 518	14.2	74.7	629	4	US-09-925-065A-760725	Sequence 760725, A
C 519	14.2	74.7	629	4	US-10-424-599-109779	Sequence 109779, A
C 520	14.2	74.7	632	7	US-10-767-701-26346	Sequence 26346, A
C 521	14.2	74.7	632	4	US-09-925-065A-738541	Sequence 738541, A
C 522	14.2	74.7	634	3	US-09-968-433-62	Sequence 62, Appl
C 523	14.2	74.7	640	4	US-09-925-065A-820591	Sequence 820591, A
C 524	14.2	74.7	645	7	US-10-424-599-117126	Sequence 117126, A
C 525	14.2	74.7	648	6	US-10-259-194A-626	Sequence 626, App
C 526	14.2	74.7	648	7	US-10-260-238-5543	Sequence 5543, App
C 527	14.2	74.7	656	5	US-10-027-632-174780	Sequence 174780, A
C 528	14.2	74.7	656	6	US-10-027-632-174780	Sequence 174780, A
C 529	14.2	74.7	659	6	US-10-027-632-264261	Sequence 264261, A
C 530	14.2	74.7	669	6	US-10-027-632-264261	Sequence 264261, A
C 531	14.2	74.7	669	7	US-10-767-701-3497	Sequence 3497, Ap
C 532	14.2	74.7	682	4	US-09-925-065A-669392	Sequence 669392, A
C 533	14.2	74.7	682	4	US-09-925-065A-669393	Sequence 669393, A
C 534	14.2	74.7	682	4	US-09-925-065A-669394	Sequence 669394, A

535	14.2	74.7	682	4	US-09-925-065A-669395	Sequence 669395,	C 608	14.2	74.7	1119	7	US-10-466-205-5	Sequence 5, Appli
536	14.2	74.7	682	4	US-09-925-065A-669396	Sequence 669396,	C 609	14.2	74.7	1119	7	US-10-240-801A-18	Sequence 18, Appl
537	14.2	74.7	682	8	US-10-425-115-128455	Sequence 128455,	C 610	14.2	74.7	1120	6	US-10-085-198-63	Sequence 63, Appl
538	14.2	74.7	689	3	US-09-974-300-2391	Sequence 2391, Ap	C 611	14.2	74.7	1120	7	US-10-210-172-147	Sequence 147, App
C 539	14.2	74.7	692	9	US-10-956-157-9904	Sequence 3904, Ap	C 612	14.2	74.7	1134	8	US-10-437-963-1711	Sequence 1711, Ap
C 540	14.2	74.7	692	9	US-10-956-157-9139	Sequence 9139, Ap	C 613	14.2	74.7	1163	8	US-10-425-115-57732	Sequence 47732, A
C 541	14.2	74.7	697	8	US-10-653-047-6869	Sequence 6869, Ap	C 614	14.2	74.7	1164	5	US-09-826-509-504	Sequence 504, App
C 542	14.2	74.7	705	9	US-10-487-901-1502	Sequence 1502, Ap	C 615	14.2	74.7	1164	5	US-10-228-264-3	Sequence 3, Appli
543	14.2	74.7	709	6	US-10-027-632-12323	Sequence 12323, A	C 616	14.2	74.7	1164	8	US-10-925-095-854	Sequence 504, App
544	14.2	74.7	709	6	US-10-027-632-12322	Sequence 12323, A	C 617	14.2	74.7	1166	10	US-11-097-143-18929	Sequence 18929, A
C 545	14.2	74.7	709	8	US-10-425-115-124506	Sequence 124506,	C 618	14.2	74.7	1176	6	US-10-156-761-2610	Sequence 2610, A
C 546	14.2	74.7	720	9	US-10-424-599-24669	Sequence 24669, A	C 619	14.2	74.7	1176	6	US-10-156-761-2774	Sequence 13774, Ap
C 547	14.2	74.7	720	9	US-10-450-763-22057	Sequence 22057, A	C 620	14.2	74.7	1180	6	US-10-425-115-165709	Sequence 165709,
548	14.2	74.7	727	5	US-10-027-632-177121	Sequence 177121,	C 621	14.2	74.7	1185	9	US-10-450-763-1269	Sequence 7269, Ap
549	14.2	74.7	727	6	US-10-027-632-177121	Sequence 177121,	C 622	14.2	74.7	1192	7	US-10-437-963-45104	Sequence 45104, A
C 550	14.2	74.7	732	8	US-10-425-115-58968	Sequence 58968, A	C 623	14.2	74.7	1193	6	US-10-298-992-1	Sequence 1, Appli
C 551	14.2	74.7	732	9	US-10-487-901-1500	Sequence 1500, Ap	C 624	14.2	74.7	1193	6	US-10-288-019-7	Sequence 7, Appli
552	14.2	74.7	741	3	US-09-895-837-6	Sequence 6, Appli	C 625	14.2	74.7	1213	8	US-10-653-047-6223	Sequence 623, Ap
553	14.2	74.7	741	3	US-09-896-913A-6	Sequence 5, Appli	C 626	14.2	74.7	1219	6	US-10-359-285-3	Sequence 3, Appli
554	14.2	74.7	744	3	US-09-794-210-5	Sequence 5, Appli	C 627	14.2	74.7	1227	6	US-10-156-761-4340	Sequence 4340, Ap
555	14.2	74.7	744	3	US-09-910-174A-30	Sequence 30, Appli	C 628	14.2	74.7	1242	7	US-10-471-115-32	Sequence 32, Appl
556	14.2	74.7	744	6	US-10-034-650-38	Sequence 38, Appl	C 629	14.2	74.7	1252	6	US-10-365-493-32692	Sequence 32692, A
557	14.2	74.7	744	6	US-10-034-650-39	Sequence 39, Appl	C 630	14.2	74.7	1252	7	US-10-767-701-15792	Sequence 15792, A
558	14.2	74.7	744	7	US-10-644-671-30	Sequence 30, Appl	C 631	14.2	74.7	1253	7	US-10-425-114-26113	Sequence 26113, A
559	14.2	74.7	751	9	US-10-450-763-21720	Sequence 21720, A	C 632	14.2	74.7	1253	8	US-10-425-115-5960	Sequence 5960, Ap
C 560	14.2	74.7	786	7	US-10-437-963-17658	Sequence 17658, A	C 633	14.2	74.7	1266	6	US-10-369-493-43293	Sequence 43293, A
561	14.2	74.7	792	7	US-10-425-114-12562	Sequence 12562, A	C 634	14.2	74.7	1266	6	US-09-815-242-7606	Sequence 7606, Ap
562	14.2	74.7	793	5	US-10-027-632-151828	Sequence 151828,	C 635	14.2	74.7	1266	6	US-10-369-493-47305	Sequence 47305, A
563	14.2	74.7	793	6	US-10-027-632-151828	Sequence 151828,	C 636	14.2	74.7	1277	7	US-10-029-020-5	Sequence 5, Appli
C 564	14.2	74.7	804	6	US-10-156-761-1182	Sequence 1182, Ap	C 637	14.2	74.7	1281	6	US-10-369-493-44951	Sequence 44951, A
565	14.2	74.7	805	7	US-10-425-114-3318	Sequence 3318, Ap	C 638	14.2	74.7	1281	7	US-10-437-963-53345	Sequence 53345, A
566	14.2	74.7	821	7	US-10-424-599-49541	Sequence 49541, A	C 639	14.2	74.7	1289	7	US-10-767-701-15797	Sequence 15797, A
567	14.2	74.7	822	7	US-10-113-944-524	Sequence 524, App	C 640	14.2	74.7	1309	5	US-10-225-567A-365	Sequence 365, App
C 568	14.2	74.7	825	6	US-10-321-188-41	Sequence 41, Appl	C 641	14.2	74.7	1322	7	US-10-029-020-7	Sequence 7, Appli
C 569	14.2	74.7	825	6	US-10-915-172-41	Sequence 41, Appl	C 642	14.2	74.7	1325	7	US-10-424-599-63920	Sequence 63920, A
C 570	14.2	74.7	837	8	US-10-425-115-56366	Sequence 56366, A	C 643	14.2	74.7	1325	7	US-10-470-360-43	Sequence 43, Appl
C 571	14.2	74.7	840	8	US-10-425-115-152154	Sequence 152154,	C 644	14.2	74.7	1331	7	US-10-641-643-379	Sequence 379, App
C 572	14.2	74.7	851	10	US-11-097-143-35000	Sequence 35030, A	C 645	14.2	74.7	1344	3	US-09-738-626-491	Sequence 491, App
C 573	14.2	74.7	870	7	US-10-282-122A-19930	Sequence 19930, A	C 646	14.2	74.7	1348	7	US-10-425-114-20302	Sequence 20302, A
C 574	14.2	74.7	876	7	US-10-282-122A-26974	Sequence 26974, A	C 647	14.2	74.7	1353	7	US-10-450-661A-2	Sequence 2, Appli
C 575	14.2	74.7	882	7	US-10-282-122A-39807	Sequence 39807, A	C 648	14.2	74.7	1357	6	US-10-085-167-1	Sequence 1, Appli
C 576	14.2	74.7	883	7	US-10-767-701-1273	Sequence 1273, Ap	C 649	14.2	74.7	1359	6	US-10-156-761-4100	Sequence 4100, Ap
577	14.2	74.7	883	8	US-10-767-795-4355	Sequence 4355, Ap	C 650	14.2	74.7	1362	7	US-10-437-963-3971	Sequence 3971, Ap
578	14.2	74.7	921	10	US-11-097-143-40076	Sequence 40076, A	C 651	14.2	74.7	1363	8	US-10-425-115-80541	Sequence 80541, A
C 579	14.2	74.7	922	8	US-10-425-115-49989	Sequence 49989, A	C 652	14.2	74.7	1365	2	US-08-899-112-29	Sequence 29, Appl
C 580	14.2	74.7	930	6	US-09-815-242-6028	Sequence 6028, Ap	C 653	14.2	74.7	1365	6	US-10-298-992-4	Sequence 4, Appli
C 581	14.2	74.7	930	6	US-10-369-493-24480	Sequence 24480, A	C 654	14.2	74.7	1365	6	US-10-285-019-27	Sequence 27, Appl
C 582	14.2	74.7	930	7	US-10-282-122A-20035	Sequence 20035, A	C 655	14.2	74.7	1374	3	US-10-417-700A-2	Sequence 2, Appli
C 583	14.2	74.7	955	9	US-10-450-763-30022	Sequence 30022, A	C 656	14.2	74.7	1374	3	US-09-815-242-9707	Sequence 9707, Ap
C 584	14.2	74.7	959	8	US-10-425-115-67002	Sequence 67002, A	C 657	14.2	74.7	1374	7	US-10-282-122A-38931	Sequence 38931, A
585	14.2	74.7	966	7	US-10-250-889-48	Sequence 48, Appl	C 658	14.2	74.7	1374	7	US-10-282-122A-39445	Sequence 39445, A
586	14.2	74.7	967	6	US-10-080-254-167	Sequence 167, App	C 659	14.2	74.7	1375	7	US-10-282-122A-37158	Sequence 37158, A
587	14.2	74.7	967	6	US-10-242-355-1253	Sequence 1253, Ap	C 660	14.2	74.7	1392	3	US-09-974-300-5982	Sequence 5982, Ap
588	14.2	74.7	972	7	US-10-282-122A-15285	Sequence 15285, A	C 661	14.2	74.7	1400	9	US-10-956-157-6065	Sequence 6065, Ap
C 589	14.2	74.7	973	7	US-10-425-114-23868	Sequence 23868, A	C 662	14.2	74.7	1424	7	US-10-282-122A-15011	Sequence 14501, A
C 590	14.2	74.7	987	7	US-10-282-122A-23764	Sequence 23764, A	C 663	14.2	74.7	1431	7	US-10-282-122A-23827	Sequence 23827, A
C 591	14.2	74.7	990	6	US-10-236-055A-13	Sequence 13, Appl	C 664	14.2	74.7	1436	8	US-10-723-860-6664	Sequence 6664, Ap
C 592	14.2	74.7	990	6	US-10-369-493-33108	Sequence 33108, A	C 665	14.2	74.7	1465	5	US-10-027-632-150715	Sequence 150715,
C 593	14.2	74.7	1040	8	US-10-425-115-87054	Sequence 87054, A	C 666	14.2	74.7	1465	6	US-10-027-632-150715	Sequence 150715,
594	14.2	74.7	1056	7	US-10-424-599-106137	Sequence 106127,	C 667	14.2	74.7	1476	10	US-11-097-143-38231	Sequence 38231, A
595	14.2	74.7	1060	7	US-10-282-122A-23971	Sequence 23971, A	C 668	14.2	74.7	1476	10	US-10-425-115-796	Sequence 796, App
C 596	14.2	74.7	1071	7	US-10-451-168-23	Sequence 23, Appl	C 669	14.2	74.7	1481	8	US-10-437-963-15718	Sequence 75178, A
C 597	14.2	74.7	1072	9	US-10-980-387-23	Sequence 23, Appl	C 670	14.2	74.7	1489	7	US-10-425-114-20911	Sequence 31798, A
C 598	14.2	74.7	1072	9	US-10-767-701-13682	Sequence 13682, A	C 671	14.2	74.7	1491	7	US-10-425-114-20911	Sequence 20911, A
C 599	14.2	74.7	1074	7	US-10-437-963-13566	Sequence 13566, A	C 672	14.2	74.7	1495	8	US-10-425-115-44635	Sequence 44635, A
C 600	14.2	74.7	1086	7	US-10-450-763-21535	Sequence 21535, A	C 673	14.2	74.7	1495	8	US-10-437-963-24165	Sequence 24165, A
C 601	14.2	74.7	1103	6	US-10-321-188-37	Sequence 37, Appl	C 674	14.2	74.7	1501	9	US-10-450-763-14266	Sequence 14266, A
C 602	14.2	74.7	1103	6	US-10-915-172-37	Sequence 37, Appl	C 675	14.2	74.7	1505	9	US-10-282-122A-6750	Sequence 6750, Ap
C 603	14.2	74.7	1104	6	US-10-321-188-36	Sequence 36, Appl	C 676	14.2	74.7	1515	7	US-09-822-849A-61	Sequence 61, Appl
C 604	14.2	74.7	1104	6	US-10-915-172-36	Sequence 36, Appl	C 677	14.2	74.7	1516	3	US-10-282-122A-29264	Sequence 29264, A
C 605	14.2	74.7	1113	9	US-10-451-168-22	Sequence 22, Appl	C 678	14.2	74.7	1516	3	US-10-822-849A-52	Sequence 52, Appl
C 606	14.2	74.7	1113	9	US-10-980-387-22	Sequence 22, Appl	C 679	14.2	74.7	1541	3	US-09-822-849A-52	Sequence 52, Appl
C 607	14.2	74.7	1119	2	US-08-899-112-7	Sequence 7, Appli	C 680	14.2	74.7	1548	6	US-10-369-493-44520	Sequence 44520, A

C 681	14.2	74.7	1555	7	US-10-260-238-592	Sequence 592, App
C 682	14.2	74.7	1573	4	US-09-771-161A-1	Sequence 1, Appl1
C 683	14.2	74.7	1594	3	US-09-925-065A-684373	Sequence 684373, A
C 684	14.2	74.7	1594	4	US-09-925-065A-684374	Sequence 684374, A
C 685	14.2	74.7	1594	4	US-09-925-065A-684375	Sequence 684375, A
C 686	14.2	74.7	1594	4	US-09-925-065A-684376	Sequence 684376, A
C 687	14.2	74.7	1596	3	US-09-815-224-6053	Sequence 6053, Ap
C 688	14.2	74.7	1596	3	US-10-282-122A-20352	Sequence 20352, A
C 689	14.2	74.7	1599	9	US-10-450-763-7271	Sequence 7271, Ap
C 690	14.2	74.7	1623	6	US-10-369-493-31177	Sequence 31177, A
C 691	14.2	74.7	1631	3	US-09-960-706-681	Sequence 681, App
C 692	14.2	74.7	1631	3	US-09-873-367C-156	Sequence 156, App
C 693	14.2	74.7	1631	8	US-10-723-860-389	Sequence 389, App
C 694	14.2	74.7	1631	9	US-10-843-641A-156	Sequence 156, App
C 695	14.2	74.7	1631	9	US-10-956-157-830	Sequence 830, App
C 696	14.2	74.7	1647	10	US-11-097-143-1136	Sequence 1136, Ap
C 697	14.2	74.7	1655	3	US-09-794-210-3	Sequence 3, Appl1
C 698	14.2	74.7	1655	3	US-09-895-837-4	Sequence 4, Appl1
C 699	14.2	74.7	1655	3	US-09-896-913A-4	Sequence 97613, A
C 700	14.2	74.7	1661	5	US-10-027-632-97613	Sequence 97613, A
C 701	14.2	74.7	1661	6	US-10-027-632-97613	Sequence 97613, A
C 702	14.2	74.7	1665	6	US-10-156-761-7042	Sequence 7042, Ap
C 703	14.2	74.7	1673	8	US-10-112-944-40	Sequence 40, Appl
C 704	14.2	74.7	1706	8	US-10-739-930-3978	Sequence 3978, Ap
C 705	14.2	74.7	1714	6	US-10-359-285-1	Sequence 1, Appl1
C 706	14.2	74.7	1716	6	US-10-423-115-20849	Sequence 20849, A
C 707	14.2	74.7	1728	9	US-10-450-763-25458	Sequence 25458, A
C 708	14.2	74.7	1739	10	US-11-097-143-9911	Sequence 9911, Ap
C 709	14.2	74.7	1788	8	US-10-425-114-17836	Sequence 17836, A
C 710	14.2	74.7	1789	8	US-10-425-115-38578	Sequence 38578, A
C 711	14.2	74.7	1807	8	US-10-425-114-22606	Sequence 22606, A
C 712	14.2	74.7	1807	8	US-10-425-114-166097	Sequence 166097, A
C 713	14.2	74.7	1828	9	US-10-450-763-24984	Sequence 24984, A
C 714	14.2	74.7	1833	9	US-10-437-963-38702	Sequence 38702, A
C 715	14.2	74.7	1838	5	US-10-084-817-220	Sequence 220, App
C 716	14.2	74.7	1842	9	US-10-450-763-24981	Sequence 24981, A
C 717	14.2	74.7	1843	7	US-10-425-114-28630	Sequence 28630, A
C 718	14.2	74.7	1863	10	US-11-097-143-28849	Sequence 28849, A
C 719	14.2	74.7	1867	7	US-10-437-963-41728	Sequence 41728, A
C 720	14.2	74.7	1869	8	US-10-282-122A-27454	Sequence 27454, A
C 721	14.2	74.7	1899	8	US-10-211-028-22	Sequence 22, Appl
C 722	14.2	74.7	1874	4	US-09-925-065A-676016	Sequence 676016, A
C 723	14.2	74.7	1874	4	US-09-925-065A-676017	Sequence 676017, A
C 724	14.2	74.7	1874	4	US-09-925-065A-676018	Sequence 676018, A
C 725	14.2	74.7	1874	4	US-09-925-065A-676019	Sequence 676019, A
C 726	14.2	74.7	1874	4	US-09-925-065A-676020	Sequence 676020, A
C 727	14.2	74.7	1908	5	US-10-072-036-124	Sequence 124, App
C 728	14.2	74.7	1910	6	US-10-108-260A-1893	Sequence 1893, Ap
C 729	14.2	74.7	1922	7	US-10-425-114-27305	Sequence 27305, A
C 730	14.2	74.7	1944	7	US-10-482-122A-23632	Sequence 23632, A
C 731	14.2	74.7	1950	10	US-11-097-143-30056	Sequence 30056, A
C 732	14.2	74.7	1958	5	US-10-027-632-97142	Sequence 97142, A
C 733	14.2	74.7	1958	6	US-10-027-632-97142	Sequence 97142, A
C 734	14.2	74.7	1962	7	US-10-411-037-65	Sequence 65, Appl
C 735	14.2	74.7	1962	7	US-10-411-026-65	Sequence 65, Appl
C 736	14.2	74.7	1962	7	US-10-410-962-65	Sequence 65, Appl
C 737	14.2	74.7	1962	7	US-10-411-049-65	Sequence 65, Appl
C 738	14.2	74.7	1962	7	US-10-410-930-65	Sequence 65, Appl
C 739	14.2	74.7	1962	7	US-10-410-997-65	Sequence 65, Appl
C 740	14.2	74.7	1962	7	US-10-411-012-65	Sequence 65, Appl
C 741	14.2	74.7	1962	7	US-10-410-913-65	Sequence 65, Appl
C 742	14.2	74.7	1962	8	US-10-410-980-65	Sequence 65, Appl
C 743	14.2	74.7	1962	8	US-10-410-897-65	Sequence 65, Appl
C 744	14.2	74.7	1964	8	US-10-425-115-92396	Sequence 92396, A
C 745	14.2	74.7	1967	10	US-11-097-143-8531	Sequence 8531, Ap
C 746	14.2	74.7	1970	8	US-10-473-392-1	Sequence 1, Appl1
C 747	14.2	74.7	1994	8	US-10-423-115-114810	Sequence 114810, A
C 748	14.2	74.7	2010	8	US-10-423-115-92400	Sequence 92400, A
C 749	14.2	74.7	2015	6	US-10-104-047-868	Sequence 868, App
C 750	14.2	74.7	2016	6	US-10-027-632-177120	Sequence 177120, A
C 751	14.2	74.7	2016	6	US-10-027-632-177120	Sequence 177120, A
C 752	14.2	74.7	2031	3	US-09-764-868-50	Sequence 50, Appl
C 753	14.2	74.7	2031	3	US-10-986-466-16	Sequence 16, Appl
C 754	14.2	74.7	2039	7	US-10-425-114-77926	Sequence 77926, A
C 755	14.2	74.7	2067	6	US-10-094-749-465	Sequence 465, App
C 756	14.2	74.7	2094	10	US-11-097-143-21194	Sequence 21194, A
C 757	14.2	74.7	2155	3	US-09-962-456-299	Sequence 299, App
C 758	14.2	74.7	2155	3	US-09-880-107-2394	Sequence 2394, App
C 759	14.2	74.7	2155	9	US-10-843-641A-2758	Sequence 2758, Ap
C 760	14.2	74.7	2155	9	US-10-956-157-373	Sequence 373, App
C 761	14.2	74.7	2162	10	US-11-097-143-5768	Sequence 5768, Ap
C 762	14.2	74.7	2164	8	US-10-425-115-57003	Sequence 67003, A
C 763	14.2	74.7	2197	9	US-10-804-763-36	Sequence 36, Appl
C 764	14.2	74.7	2200	2	US-08-899-112-9	Sequence 9, Appl1
C 765	14.2	74.7	2200	6	US-10-298-992-3	Sequence 3, Appl1
C 766	14.2	74.7	2200	6	US-10-285-019-9	Sequence 9, Appl1
C 767	14.2	74.7	2202	6	US-10-236-01B-25	Sequence 25, Appl1
C 768	14.2	74.7	2220	10	US-11-097-143-32327	Sequence 32327, A
C 769	14.2	74.7	2227	7	US-10-282-122A-14306	Sequence 14306, A
C 770	14.2	74.7	2230	6	US-10-094-749-426	Sequence 426, App
C 771	14.2	74.7	2251	10	US-11-097-143-28070	Sequence 28070, A
C 772	14.2	74.7	2260	10	US-11-097-143-20287	Sequence 2027, Ap
C 773	14.2	74.7	2265	7	US-10-437-963-87289	Sequence 87289, A
C 774	14.2	74.7	2289	8	US-10-425-115-48241	Sequence 48241, A
C 775	14.2	74.7	2290	7	US-10-282-122A-19349	Sequence 19349, A
C 776	14.2	74.7	2298	3	US-09-746-783-69	Sequence 69, Appl
C 777	14.2	74.7	2317	10	US-11-097-143-23267	Sequence 23267, A
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ALIGNMENTS

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RESULT 1
US-10-086-206-5
; Sequence 5, Application US/10086206
; Publication No. US20030124546a1
; GENERAL INFORMATION:
; APPLICANT: Magdalena, J
; APPLICANT: Supply, P
; APPLICANT: Lochte, C
; TITLE OF INVENTION: M. TUBERCULOSIS COMPLEX MEMBERS MYCOBACTERIA SPECIFIC
; TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS AND THEIR APPLICATIONS FOR THE
; TITLE OF INVENTION: DETECTION AND DIFFERENTIAL DIAGNOSIS OF M. TUBERCULOSIS
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; NUMBER OF SEQ ID NOS: 11
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; LENGTH: 19
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; ORGANISM: Mycobacterium tuberculosis
US-10-086-206-5

Query Match 100.0%; Score 19; DB 6; Length 19;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
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; APPLICANT: Xu, H.
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; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28205
; LENGTH: 684
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-28205

Query Match 91.6%; Score 17.4; DB 7; Length 684;
Best Local Similarity 94.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
    |||||
Db 66 GCGCAGCAGAAACGTCAGC 48

RESULT 3
US-10-282-122A-26406/c
; Sequence 26406, Application US/10282122A
; Publication No. US20040029129a1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Treawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
```

```
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; REMAINING PRIOR APPLICATION DATA REMOVED - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26406
; LENGTH: 690
; TYPE: DNA
; ORGANISM: Mycobacterium bovis
US-10-282-122A-26406
```

```
Query Match          91.6%; Score 17.4; DB 7; Length 690;
Best Local Similarity 94.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Oy 1 GCGCAGCAGAAACGTCAGC 19
    |||||
Db 75 GCGCAGCAGAAACGCCAGC 57

RESULT 4
US-10-080-170-648/C
; Sequence 648, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495,0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
```

```
Query Match          91.6%; Score 17.4; DB 6; Length 86114;
Best Local Similarity 94.7%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Oy 1 GCGCAGCAGAAACGTCAGC 19
    |||||
Db 67471 GCGCAGCAGAAACGCCAGC 67453
```

RESULT 5

```
US-10-080-170-648/C
; Sequence 648, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495,0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-648
```

```
Query Match          91.6%; Score 17.4; DB 7; Length 86114;
Best Local Similarity 94.7%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Oy 1 GCGCAGCAGAAACGTCAGC 19
    |||||
Db 67471 GCGCAGCAGAAACGCCAGC 67453
```

```
RESULT 6
US-10-468-356-648/C
; Sequence 648, Application US/10468356
; Publication No. US20040197896A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 05394,0019
; CURRENT APPLICATION NUMBER: US/10/468,356
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: 10/080,170
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 655
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 648
; LENGTH: 86114
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-468-356-648
```

```
Query Match          91.6%; Score 17.4; DB 8; Length 86114;
Best Local Similarity 94.7%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Oy 1 GCGCAGCAGAAACGTCAGC 19
    |||||
Db 67471 GCGCAGCAGAAACGCCAGC 67453
```

```
RESULT 7
US-11-097-143-4295/C
; Sequence 4295, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
```

```
FILE REFERENCE: CL000728
CURRENT APPLICATION NUMBER: US/11/097,143
CURRENT FILING DATE: 2005-04-04
PRIOR APPLICATION NUMBER: 60/157,832
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: 60/160,191
PRIOR FILING DATE: 1999-10-19
PRIOR APPLICATION NUMBER: 60/161,932
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 60/164,769
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/173,383
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/184,831
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4295
LENGTH: 3013
TYPE: DNA
ORGANISM: DROSOPHILA
US-11-097-143-4295
```

```
Query Match      89.5%; Score 17; DB 10; Length 3013;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 GCGCAGCAGAAACGTCA 17
        |||||
Db      339 GCGCAGCAGAAACGTCA 323
```

```
RESULT 8
US-11-097-143-4294
Sequence 4294, Application US/11097143
Publication No. US20050208558A1
GENERAL INFORMATION:
APPLICANT: Venter, J. Craig
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
FILE REFERENCE: CL000728
CURRENT APPLICATION NUMBER: US/11/097,143
CURRENT FILING DATE: 2005-04-04
PRIOR APPLICATION NUMBER: 60/157,832
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: 60/160,191
PRIOR FILING DATE: 1999-10-19
PRIOR APPLICATION NUMBER: 60/161,932
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 60/164,769
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/173,383
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/184,831
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4294
LENGTH: 5239
TYPE: DNA
ORGANISM: DROSOPHILA
US-11-097-143-4294
```

```
Query Match      89.5%; Score 17; DB 10; Length 5239;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 GCGCAGCAGAAACGTCA 17
        |||||
Db      3767 GCGCAGCAGAAACGTCA 3783
```

```
RESULT 9
US-10-487-901-5495/c
Sequence 5495, Application US/10487901
Publication No. US20050091708A1
GENERAL INFORMATION:
APPLICANT: Oreidlo, Jeremiah Vincent
APPLICANT: McCreery, David
APPLICANT: Pell, Randy
APPLICANT: Miller, Barbara
APPLICANT: Weglarz, Thaddeus
APPLICANT: Gachotte, Daniel
APPLICANT: Blakelee, Beth
APPLICANT: Larrinua, Ignacio
APPLICANT: Reddy, Avulu
APPLICANT: Shukla, Vipula
APPLICANT: Crosley, Rodney
TITLE OF INVENTION: Nucleic Acid Compositions Conferring Altered Metabolic Characteri
FILE REFERENCE: DOM-08552
CURRENT APPLICATION NUMBER: US/10/487,901
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 7560
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5495
LENGTH: 356
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Synthetic
US-10-487-901-5495
```

```
Query Match      84.2%; Score 16; DB 9; Length 356;
Best Local Similarity 100.0%; Pred. No. 7.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 GCGCAGCAGAAACGTC 16
        |||||
Db      71 GCGCAGCAGAAACGTC 56
```

```
RESULT 10
US-10-437-963-77644/c
Sequence 77644, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Mu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 77644
LENGTH: 727
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_77521C.1
```

US-10-437-963-77644

Query Match 84.2%; Score 16; DB 7; Length 727;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCGACGAGAAACGTC 16

DB 71 GCCGACGAGAAACGTC 56

RESULT 11

US-10-029-180-27

; Sequence 27, Application US/10029180

; Publication No. US20020182708A1

; GENERAL INFORMATION:

; APPLICANT: Call, Brian M.

; APPLICANT: Holtzman, Doug

; APPLICANT: Madden, Kevin T.

; APPLICANT: Milna, G. Todd

; APPLICANT: Sherman, Amit

; APPLICANT: Silva, Jeffrey C.

; APPLICANT: Trueheart, Josh

; TITLE OF INVENTION: No. US20020182708A1el Regulators of Fungal Gene Expression

; FILE REFERENCE: MTC-004

; CURRENT APPLICATION NUMBER: US/10/029,180

; CURRENT FILING DATE: 2001-12-22

; PRIOR APPLICATION NUMBER: US 60/257,431

; PRIOR FILING DATE: 2000-12-22

; NUMBER OF SEQ ID NOS: 138

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 27

; LENGTH: 2043

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: fungal gene

US-10-029-180-27

Query Match 84.2%; Score 16; DB 5; Length 2043;

Best Local Similarity 100.0%; Pred. No. 7e+02;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18

DB 360 GCAGCAGAAACGTCAG 375

RESULT 12

US-10-952-045-27

; Sequence 27, Application US/10952045

; Publication No. US20050095633A1

; GENERAL INFORMATION:

; APPLICANT: Call, Brian M.

; APPLICANT: Holtzman, Doug

; APPLICANT: Madden, Kevin T.

; APPLICANT: Milna, G. Todd

; APPLICANT: Sherman, Amit

; APPLICANT: Silva, Jeffrey C.

; APPLICANT: Trueheart, Josh

; TITLE OF INVENTION: Novel Regulators of Fungal Gene Expression

; FILE REFERENCE: MTC-004

; CURRENT APPLICATION NUMBER: US/10/952,045

; CURRENT FILING DATE: 2004-09-28

; PRIOR APPLICATION NUMBER: US/10/029,180

; PRIOR FILING DATE: 2001-12-22

; PRIOR APPLICATION NUMBER: US 60/257,431

; PRIOR FILING DATE: 2000-12-22

; NUMBER OF SEQ ID NOS: 138

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 27

; LENGTH: 2043

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: fungal gene

US-10-952-045-27

Query Match 84.2%; Score 16; DB 9; Length 2043;

Best Local Similarity 100.0%; Pred. No. 7e+02; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18

DB 360 GCAGCAGAAACGTCAG 375

RESULT 13

US-11-097-143-23369

; Sequence 23369, Application US/11097143

; Publication No. US20050208558A1

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig

; APPLICANT: et al.

; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

; TITLE OF INVENTION: DROSOPHILA GENES.

; FILE REFERENCE: CU000728

; CURRENT APPLICATION NUMBER: US/11/097,143

; CURRENT FILING DATE: 2005-04-04

; PRIOR APPLICATION NUMBER: 60/157,832

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: 60/160,191

; PRIOR FILING DATE: 1999-10-19

; PRIOR APPLICATION NUMBER: 60/161,932

; PRIOR FILING DATE: 1999-10-28

; PRIOR APPLICATION NUMBER: 60/164,769

; PRIOR FILING DATE: 1999-11-12

; PRIOR APPLICATION NUMBER: 60/173,383

; PRIOR FILING DATE: 1999-12-28

; PRIOR APPLICATION NUMBER: 60/175,693

; PRIOR FILING DATE: 2000-01-12

; PRIOR APPLICATION NUMBER: 60/184,831

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: 60/191,637

; PRIOR FILING DATE: 2000-03-23

; NUMBER OF SEQ ID NOS: 43008

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 23369

; LENGTH: 2381

; TYPE: DNA

; ORGANISM: DROSOPHILA

US-11-097-143-23369

Query Match 84.2%; Score 16; DB 10; Length 2381;

Best Local Similarity 100.0%; Pred. No. 7e+02; Mismatches 0; Indels 0; Gaps 0;

QY 4 CAGCAGAAACGTCAGC 19

DB 1455 CAGCAGAAACGTCAGC 1470

RESULT 14

US-11-097-143-23368/c

; Sequence 23368, Application US/11097143

; Publication No. US20050208558A1

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig

; APPLICANT: et al.

; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

; TITLE OF INVENTION: DROSOPHILA GENES.

; FILE REFERENCE: CU000728

```

; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23368
; LENGTH: 4724
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-23368
```

```

Query Match      84.2%; Score 16; DB 10; Length 4724;
Best Local Similarity 100.0%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY      4 CAGCAGAAACGTCAGC 19
      |||
Db      2062 CAGCAGAAACGTCAGC 2047
```

```

RESULT 15
US-09-918-995-28732/C
; Sequence 28732, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 28732
; LENGTH: 452
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(452)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-28732
```

```

Query Match      83.2%; Score 15.8; DB 3; Length 452;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```

QY      1 GCGCAGCAGAAACGTCAGC 19
      |||
Db      104 GCACGCGAGAAACGTCAGC 86
```

```

RESULT 16
US-09-884-441-68
; Sequence 68, Application US/09884441
; Patent No. US20020119158A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C7
; CURRENT APPLICATION NUMBER: US/09/884,441
; CURRENT FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-884-441-68
```

```

Query Match      83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```

QY      1 GCGCAGCAGAAACGTCAGC 19
      |||
Db      120 GCACGCGAGAAACGTCAGC 138
```

```

RESULT 17
US-09-907-969-68
; Sequence 68, Application US/09907969
; Publication No. US20030091580A1
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary Richard
; APPLICANT: Reed, Steven G.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Hill, Paul
; APPLICANT: Albone, Earl
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.462C8
; CURRENT APPLICATION NUMBER: US/09/907,969
; CURRENT FILING DATE: 2001-07-17
; NUMBER OF SEQ ID NOS: 596
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-969-68
```

```

Query Match      83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```

QY      1 GCGCAGCAGAAACGTCAGC 19
      |||
Db      120 GCACGCGAGAAACGTCAGC 138
```

```

RESULT 18
US-09-827-271-68
; Sequence 68, Application US/09827271
; Publication No. US20030165504A1
; GENERAL INFORMATION:
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C6
```


;; CURRENT APPLICATION NUMBER: US/09/827,271
;; CURRENT FILING DATE: 2001-04-04
;; NUMBER OF SEQ ID NOS: 461
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 68
;; LENGTH: 511
;; TYPE: DNA
;; ORGANISM: Homo sapien
US-09-827-271-68

Query Match 83.2%; Score 15.8; DB 3; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 120 GCACAGCAGAAACGCCAGC 138

RESULT 19
US-10-198-053-68
; Sequence 68, Application US/10198053
; Publication No. US20030124140A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C9
; CURRENT APPLICATION NUMBER: US/10/198,053
; CURRENT FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 624
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-053-68

Query Match 83.2%; Score 15.8; DB 6; Length 511;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 120 GCACAGCAGAAACGCCAGC 138

RESULT 20
US-10-860-790-68
; Sequence 68, Application US/10860790
; Publication No. US20050031634A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C11
; CURRENT APPLICATION NUMBER: US/10/860,790
; CURRENT FILING DATE: 2004-06-02
; NUMBER OF SEQ ID NOS: 624
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-860-790-68

Query Match 83.2%; Score 15.8; DB 8; Length 511;

Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 120 GCACAGCAGAAACGCCAGC 138

RESULT 21
US-09-899-046-157
; Sequence 157, Application US/09899046
; Publication No. US20030008274A1
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: New sequences of hepatitis C virus
; TITLE OF INVENTION: genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,046
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/362,455
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 157:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 530 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..530
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: 3..527
US-09-899-046-157

Query Match 83.2%; Score 15.8; DB 3; Length 530;
Best Local Similarity 89.5%; Pred. No. 9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 240 GCGCAGCAGAAACGTCAGC 258

RESULT 22
US-09-878-281-157
; Sequence 157, Application US/09878281
; Publication No. US20030032005A1
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: New sequences of hepatitis C virus
; TITLE OF INVENTION: genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/878,281
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/362,455

;; FILING DATE:
; INFORMATION FOR SEQ ID NO: 157:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 530 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..530
; NAME/KEY: mat peptide
; LOCATION: 3..527
; US-09-878-281-157

Query Match 83.2%; Score 15.8; DB 3; Length 530;
Best Local Similarity 89.5%; Pred. No. 9e+02; 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 240 GCGCAGCAGAAACGTCAGC 258

RESULT 23
US-09-873-224-157
; Sequence 157, Application US/09873224
; Publication No. US20030064360A1
; GENERAL INFORMATION:
; APPLICANT: <Unknown>
; TITLE OF INVENTION: New sequences of hepatitis C virus
; genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; CORRESPONDENCE ADDRESSES:
; STREET: Industriepark Zwijnaarde 7, box 4
; CITY: Ghent
; COUNTRY: Belgium
; ZIP: B-9052
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/873,224
; FILING DATE: 05-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER: 08/362,455
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Innogenetics sa
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 00 32 9 241 07 11
; TELEFAX: 00 32 9 241 07 99
; INFORMATION FOR SEQ ID NO: 157:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 530 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEtical: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..530
; NAME/KEY: mat peptide
; LOCATION: 3..527

;; SEQUENCE DESCRIPTION: SEQ ID NO: 157:
; US-09-873-224-157

Query Match 83.2%; Score 15.8; DB 3; Length 530;
Best Local Similarity 89.5%; Pred. No. 9e+02; 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 240 GCGCAGCAGAAACGTCAGC 258

RESULT 24
US-10-767-701-7120/c
; Sequence 7120, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 7120
; LENGTH: 688
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28WAY03-CLUS6913_1
; US-10-767-701-7120

Query Match 83.2%; Score 15.8; DB 7; Length 688;
Best Local Similarity 89.5%; Pred. No. 8.9e+02; 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 481 GCGCAGCAGAAACGTCAGC 463

RESULT 25
US-10-767-701-5494
; Sequence 5494, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 5494
; LENGTH: 810
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28WAY03-CLUS14394_1
; US-10-767-701-5494

Query Match 83.2%; Score 15.8; DB 7; Length 810;
Best Local Similarity 89.5%; Pred. No. 8.9e+02; 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2;

Qy 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 534 GCGCAGCAGAAACGTCAGC 552


```
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 101
; LENGTH: 1720
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-788-792-101

Query Match      83.2%; Score 15.8; DB 8; Length 1720;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      330 GCACAGCAGAAACGCCAGC 312

RESULT 30
US-10-450-763-18273/C
; Sequence 18273, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 18273
; LENGTH: 1901
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (720)..(1898)
; OTHER INFORMATION: 96% homologous to Escherichia coli K12
; OTHER INFORMATION: phosphopentomutase,accession number AE000508, Smith-Waterman Score
; OTHER INFORMATION: 2057.
US-10-450-763-18273

Query Match      83.2%; Score 15.8; DB 9; Length 1901;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      1668 GCGCAGCAGAGACATCAGC 1670

RESULT 31
US-09-974-300-2294/C
; Sequence 2294, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Clausen, Ib Groth
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 10085-500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 2294
; LENGTH: 1917
; TYPE: DNA
; ORGANISM: Bacillus licheniformis
US-09-974-300-2294

Query Match      83.2%; Score 15.8; DB 3; Length 1917;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      523 GCGAGCAGAAATGTCAGC 505

RESULT 32
US-10-264-237-541/C
; Sequence 541, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:
; APPLICANT: Biree et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA131P1
; CURRENT APPLICATION NUMBER: US/10/264,237
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2876
; SOFTWARE: Patentin Ver. 3.1
; SEQ ID NO 541
; LENGTH: 1943
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-541

Query Match      83.2%; Score 15.8; DB 6; Length 1943;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 GCGCAGCAGAAACGTCAGC 19
Db      548 GCACAGCAGAAACGCCAGC 530

RESULT 33
US-09-925-300-529/C
; Sequence 529, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05388
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 529
; LENGTH: 1944
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (568)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-529
```

Query Match 83.2%; Score 15.8; DB 3; Length 1944;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 548 GCACAGCAGAAACGCCAGC 530

RESULT 34

US-10-264-049-177
; Sequence 177, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birex et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264, 049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 177
; LENGTH: 1948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1940)..(1941)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-049-177

Query Match 83.2%; Score 15.8; DB 6; Length 1948;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 1377 GCACAGCAGAAACGCCAGC 1395

RESULT 35

US-10-363-616-227/c
; Sequence 227, Application US/10363616
; Publication No. US20040044181A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-113 (793)
; CURRENT APPLICATION NUMBER: US/10/363, 616
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 09/654,935
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 490
; SEQ ID NO 227
; LENGTH: 2058
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (582)..(1025)
US-10-363-616-227

Query Match 83.2%; Score 15.8; DB 7; Length 2058;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 701 GCACAGCAGAAACGCCAGC 683

RESULT 36
US-10-450-763-12625/c
; Sequence 12625, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450, 763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 12625
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (1)..(714)
; OTHER INFORMATION: 100% homologous to Cloning vector pZC320 SopA, accession
US-10-450-763-12625

Query Match 83.2%; Score 15.8; DB 9; Length 2150;
Best Local Similarity 89.5%; Pred. No. 8.8e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 296 GCGCAGCAGCACCTCAGC 278

RESULT 37
US-10-788-792-113/c
; Sequence 113, Application US/10788792
; Publication No. US20040191819A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eyleigh, Deepa
; TITLE OF INVENTION: EXPRESSION PROFILES FOR BREAST CANCER AND METHODS OF USE
; FILE REFERENCE: 5152
; CURRENT APPLICATION NUMBER: US/10/788, 792
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,655
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 113
; LENGTH: 2732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-788-792-113

Query Match 83.2%; Score 15.8; DB 8; Length 2732;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
|||
Db 1657 GCACAGCAGAAACGCCAGC 1639

RESULT 38
US-11-097-143-12104

```
; Sequence 12104, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; PRIOR FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12104
; LENGTH: 2759
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-12104

Query March      83.2%; Score 15.8; DB 10; Length 2759;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      1417 GAGCAGCAGAAACGTCAGC 1435

RESULT 39
US-10-108-260A-2180/c
; Sequence 2180, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2180
; LENGTH: 2879
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-2180

Query Match      83.2%; Score 15.8; DB 6; Length 2879;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      1512 GCACGACGAGAAACGCCAGC 1494

RESULT 40
US-11-097-143-41144
```

```
; Sequence 41144, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; PRIOR FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41144
; LENGTH: 4428
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-11-097-143-41144

Query March      83.2%; Score 15.8; DB 10; Length 4428;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGCAGCAGAAACGTCAGC 19
Db      3123 GCTCAGCAGAAACGTCAGC 3141

RESULT 41
US-10-037-270-266/c
; Sequence 266, Application US/10037270
; Publication No. US20030104529A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Weinman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Duntui
; APPLICANT: Wang, Zhiwei
; APPLICANT: Tillinghast, John
; APPLICANT: Drmanac, Radote T.
; TITLE OF INVENTION: No. US20030104529A1e1 Nucleic Acids and
; FILE REFERENCE: PolyPeptides
; CURRENT APPLICATION NUMBER: US/10/037,270
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
```

```
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 266
; LENGTH: 4549
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3362)
; US-10-037-270-266
```

```
Query Match      83.2%; Score 15.8; DB 5; Length 4549;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

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QY      1 GCGCAGCAGAAAGCTCAGC 19
Db      1901 GCGCAGCAGCAGCCTCAGC 1883
```

```
RESULT 42
US-10-117-722-266/c
; Sequence 266, Application US/10117722
; Publication No. US20030219744A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20030219744A1el Nucleic Acids and
; FILE REFERENCE: 784CIP2BCIP
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US/10/117,722
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,312
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 266
; LENGTH: 4549
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3362)
; US-10-117-722-266
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Query Match      83.2%; Score 15.8; DB 6; Length 4549;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY      1 GCGCAGCAGAAAGCTCAGC 19
Db      1901 GCGCAGCAGCAGCCTCAGC 1883
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RESULT 43
US-10-122-851-266/c
; Sequence 266, Application US/10122851
; Publication No. US20050239060A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Drmanac, Radoje T.
```

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; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: 784CIP2BDV3
; CURRENT APPLICATION NUMBER: US/10/122,851
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 09/552,312
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 266
; LENGTH: 4549
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3362)
; US-10-122-851-266
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Query Match      83.2%; Score 15.8; DB 9; Length 4549;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY      1 GCGCAGCAGAAAGCTCAGC 19
Db      1901 GCGCAGCAGCAGCCTCAGC 1883
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RESULT 44
US-10-037-270-267/c
; Sequence 267, Application US/10037270
; Publication No. US20030104529A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yongshong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yundong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: Tillinghast, John
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/10/037,270
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 267
; LENGTH: 4942
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3755)
; US-10-037-270-267
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Query Match 83.2%; Score 15.8; DB 5; Length 4942;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCAGCAGAAACGTCAGC 19
Db 1901 GCGCAGCAGCACCTCAGC 1883

RESULT 45
US-10-117-722-267/c
; Sequence 267, Application US/10117722
; Publication No. US20030219744A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. US20030219744A1 Nucleic Acids and
; FILE REFERENCE: 784CIP28CIP
; CURRENT APPLICATION NUMBER: US/10/117,722
; PRIOR FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: 09/620,312
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 267
; LENGTH: 4942
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3755)
US-10-117-722-267

Query Match 83.2%; Score 15.8; DB 6; Length 4942;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCAGCAGAAACGTCAGC 19
Db 1901 GCGCAGCAGCACCTCAGC 1883

RESULT 46
US-10-122-851-267/c
; Sequence 267, Application US/10122851
; Publication No. US20050239060A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: 784CIP28DV3
; CURRENT APPLICATION NUMBER: US/10/122,851
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 09/620,312
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0

; SEQ ID NO 267
; LENGTH: 4942
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (186)..(3755)
US-10-122-851-267

Query Match 83.2%; Score 15.8; DB 9; Length 4942;
Best Local Similarity 89.5%; Pred. No. 8.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 1901 GCGCAGCAGCACCTCAGC 1883

RESULT 47
US-10-182-006-3/c
; Sequence 3, Application US/10182006
; Publication No. US20040048250A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; TITLE OF INVENTION: GENE ENCODING ABC-1 PARALOG AND THE POLYPEPTIDE DERIVED
; FILE REFERENCE: National Filing
; CURRENT APPLICATION NUMBER: US/10/182,006
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: PCT/US01/02191
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/177,889
; PRIOR FILING DATE: 2000-01-24
; PRIOR APPLICATION NUMBER: 60/215,405
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 5669
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-182-006-3

Query Match 83.2%; Score 15.8; DB 7; Length 5669;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 495 GCGCAGCAGTGACGTCAGC 477

RESULT 48
US-11-097-143-12103
; Sequence 12103, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CLO00728
; CURRENT APPLICATION NUMBER: US/11/097,143
; PRIOR FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12

PRIOR APPLICATION NUMBER: 60/173,383
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/184,831
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 12103
LENGTH: 6320
TYPE: DNA
ORGANISM: DROSOPHILA
US-11-097-143-12103

Query Match 83.2%; Score 15.8; DB 10; Length 6320;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 3548 GAGCAGCAGAGAGCTCAGC 3566

RESULT 49

US-10-114-270-175/C
Sequence 175, Application US/10114270
Publication No. US20040030110A1
GENERAL INFORMATION:
APPLICANT: Guo, Xiaojia
APPLICANT: Kekuda, Ramesh
APPLICANT: Miller, Charles E.
APPLICANT: Malyankar, Uziel M.
APPLICANT: Spytek, Kimberly A.
APPLICANT: Pattnajan, Meera
APPLICANT: Liu, Ziaohong
APPLICANT: Gusev, Vladimir Y.
APPLICANT: Li, Li
APPLICANT: Vernet, Corine
APPLICANT: Zehrsen, Bryan D.
APPLICANT: Gorman, Linda
APPLICANT: Shenoy, Suresh G.
APPLICANT: Pena, Carol E.A.
APPLICANT: Smithson, Glenda
APPLICANT: Burgess, Catherine E.
APPLICANT: Gerlach, Valerie
APPLICANT: Padigaru, Muralidhara
APPLICANT: Shinkets, Richard A.
APPLICANT: Gangoli, Esha A.
APPLICANT: Taupier Jr., Raymond J.
APPLICANT: Caeman, Stacie J.
APPLICANT: Ji, Weizhen
APPLICANT: Anderson, David W.
APPLICANT: Liote, Mario W.
APPLICANT: Edinger, Shommit R.
APPLICANT: Stone, David J.
APPLICANT: Macdougall, John R.
APPLICANT: Rothenberg, Mark E.
TITLE OF INVENTION: No. US20040030110A1 Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-322C
CURRENT APPLICATION NUMBER: US/10/114,270
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/281,086
PRIOR FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 60/281,136
PRIOR FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 60/281,863
PRIOR FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 60/281,906
PRIOR FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 60/282,020

PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282,930
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/282,934
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/283,512
PRIOR FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: 60/283,710
PRIOR FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/284,234
PRIOR FILING DATE: 2001-04-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 470
SEQ ID NO 175
LENGTH: 6327
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(6178)
US-10-114-270-175

Query Match 83.2%; Score 15.8; DB 7; Length 6327;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 495 GCGCAGCAGAGAGCTCAGC 477

RESULT 50

US-09-858-194-3/C
Sequence 3, Application US/09858194
Patent No. US20020061590A1
GENERAL INFORMATION:
APPLICANT: GLUCKSMANN, MARIA
APPLICANT: CURTIS, RORY A.J.
TITLE OF INVENTION: 38594, A NOVEL HUMAN TRANSPORTER AND USES THEREOF
FILE REFERENCE: NMI-153
CURRENT APPLICATION NUMBER: US/09/858,194
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 60/204,211
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 6432
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(6432)
US-09-858-194-3

Query Match 83.2%; Score 15.8; DB 3; Length 6432;
Best Local Similarity 89.5%; Pred. No. 8.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAAGCTCAGC 19
Db 489 GCGCAGCAGAGAGCTCAGC 471

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Job time : 492.119 secs

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OM nucleic - nucleic search, using sw model

Run on: January 11, 2006, 21:29:07 ; Search time 258.915 Seconds
(Without alignments)
59.392 Million cell updates/sec

Title: US-10-086-206a-5

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Database :

Published Applications NA.New:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.8	83.2	43436	6	US-10-995-561-13240
2	15.8	83.2	168516	7	US-11-121-086-3
3	15.4	81.1	186442	7	US-11-121-086-104
4	15.4	81.1	212805	7	US-11-112-908-19
5	15	78.9	201	6	US-10-995-561-20739
6	14.8	77.9	220	7	US-11-128-061-3102
7	14.8	77.9	220	7	US-11-128-061-6744
8	14.8	77.9	1439	7	US-11-136-527-4036
9	14.8	77.9	1561	6	US-10-750-185-35115
10	14.8	77.9	1561	6	US-10-750-623-35115
11	14.8	77.9	2065	7	US-11-136-527-2547
12	14.8	77.9	2277	7	US-11-052-554A-645
13	14.8	77.9	2327	7	US-11-136-527-2209
14	14.8	77.9	235033	7	US-11-157-389-1
15	14.8	77.9	237326	7	US-11-157-389-2
16	14.8	77.9	246960	7	US-11-121-086-8
17	14.6	76.8	44718	6	US-10-995-561-13217
18	14.4	75.8	19	8	US-11-101-244-591191
19	14.4	75.8	19	9	US-11-083-784-591191
20	14.4	75.8	449	6	US-10-623-185-20
21	14.4	75.8	807	6	US-10-467-657-2197
22	14.4	75.8	828	6	US-10-467-657-2199
23	14.4	75.8	1100	6	US-10-750-185-52804

C 24	14.4	75.8	1100	6	US-10-750-623-52804	Sequence 52804, A
C 25	14.4	75.8	1474	7	US-11-054-385-3	Sequence 3, Appl1
C 26	14.4	75.8	1611	6	US-10-750-185-34752	Sequence 34752, A
C 27	14.4	75.8	1611	6	US-10-750-623-34752	Sequence 34752, A
C 28	14.4	75.8	3269	7	US-11-136-527-2735	Sequence 2735, Ap
C 29	14.2	74.7	21	6	US-10-310-914A-1098127	Sequence 1098127,
C 30	14.2	74.7	25	7	US-11-121-849-537692	Sequence 537692,
C 31	14.2	74.7	25	6	US-10-939-294A-7598	Sequence 7598, Ap
C 32	14.2	74.7	32	6	US-10-939-294A-7602	Sequence 7602, Ap
C 33	14.2	74.7	32	6	US-10-939-294A-7604	Sequence 7604, Ap
C 34	14.2	74.7	32	6	US-10-939-294A-7609	Sequence 7609, Ap
C 35	14.2	74.7	32	6	US-10-939-294A-7615	Sequence 7615, Ap
C 36	14.2	74.7	32	6	US-10-939-294A-7617	Sequence 7617, Ap
C 37	14.2	74.7	32	6	US-10-939-294A-7626	Sequence 7626, Ap
C 38	14.2	74.7	32	6	US-10-939-294A-7635	Sequence 7635, Ap
C 39	14.2	74.7	32	6	US-10-939-294A-7640	Sequence 7640, Ap
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C 43	14.2	74.7	32	6	US-10-939-294A-7738	Sequence 7738, Ap
C 44	14.2	74.7	32	6	US-10-939-294A-7798	Sequence 7798, Ap
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C 52	14.2	74.7	32	6	US-10-939-294A-10855	Sequence 10855, A
C 53	14.2	74.7	32	6	US-10-939-294A-10935	Sequence 10935, A
C 54	14.2	74.7	32	6	US-10-939-294A-11357	Sequence 11357, A
C 55	14.2	74.7	32	6	US-10-939-294A-11358	Sequence 11358, A
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C 65	14.2	74.7	32	6	US-10-939-294A-12466	Sequence 12466, A
C 66	14.2	74.7	32	6	US-10-939-294A-12467	Sequence 12467, A
C 67	14.2	74.7	32	6	US-10-939-294A-12780	Sequence 12780, A
C 68	14.2	74.7	32	6	US-10-939-294A-12781	Sequence 12781, A
C 69	14.2	74.7	32	6	US-10-939-294A-12806	Sequence 12806, A
C 70	14.2	74.7	32	6	US-10-939-294A-12807	Sequence 12807, A
C 71	14.2	74.7	32	6	US-10-939-294A-13012	Sequence 13012, A
C 72	14.2	74.7	32	6	US-10-939-294A-13016	Sequence 13016, A
C 73	14.2	74.7	32	6	US-10-939-294A-13017	Sequence 13017, A
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C 75	14.2	74.7	32	6	US-10-939-294A-13109	Sequence 13109, A
C 76	14.2	74.7	32	6	US-10-939-294A-13165	Sequence 13165, A
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C 79	14.2	74.7	32	6	US-10-939-294A-13168	Sequence 13168, A
C 80	14.2	74.7	32	6	US-10-939-294A-13169	Sequence 13169, A
C 81	14.2	74.7	32	6	US-10-939-294A-13170	Sequence 13170, A
C 82	14.2	74.7	32	6	US-10-939-294A-13171	Sequence 13171, A
C 83	14.2	74.7	32	6	US-10-939-294A-13172	Sequence 13172, A
C 84	14.2	74.7	32	6	US-10-939-294A-13173	Sequence 13173, A
C 85	14.2	74.7	32	6	US-10-939-294A-13174	Sequence 13174, A
C 86	14.2	74.7	32	6	US-10-939-294A-13175	Sequence 13175, A
C 87	14.2	74.7	32	6	US-10-939-294A-13176	Sequence 13176, A
C 88	14.2	74.7	32	6	US-10-939-294A-13177	Sequence 13177, A
C 89	14.2	74.7	32	6	US-10-939-294A-13178	Sequence 13178, A
C 90	14.2	74.7	32	6	US-10-939-294A-13179	Sequence 13179, A
C 91	14.2	74.7	32	6	US-10-939-294A-13180	Sequence 13180, A
C 92	14.2	74.7	32	6	US-10-939-294A-13181	Sequence 13181, A
C 93	14.2	74.7	32	6	US-10-939-294A-13182	Sequence 13182, A
C 94	14.2	74.7	32	6	US-10-939-294A-13183	Sequence 13183, A
C 95	14.2	74.7	32	6	US-10-939-294A-13184	Sequence 13184, A
C 96	14.2	74.7	32	6	US-10-939-294A-13185	Sequence 13185, A

C 97	14.2	74.7	32	6	US-10-939-294A-20168	Sequence 20168, A	C 170	14.2	74.7	64	6	US-10-939-294A-1812	Sequence 1812, Ap
C 98	14.2	74.7	32	6	US-10-939-294A-20176	Sequence 20176, A	C 171	14.2	74.7	64	6	US-10-939-294A-1814	Sequence 1814, Ap
C 99	14.2	74.7	32	6	US-10-939-294A-20672	Sequence 20672, A	C 172	14.2	74.7	64	6	US-10-939-294A-1845	Sequence 1845, Ap
C 100	14.2	74.7	32	6	US-10-939-294A-20757	Sequence 20757, A	C 173	14.2	74.7	64	6	US-10-939-294A-1899	Sequence 1899, Ap
C 101	14.2	74.7	32	6	US-10-939-294A-20857	Sequence 20857, A	C 174	14.2	74.7	64	6	US-10-939-294A-1913	Sequence 1913, Ap
C 102	14.2	74.7	32	6	US-10-939-294A-20904	Sequence 20904, A	C 175	14.2	74.7	64	6	US-10-939-294A-2004	Sequence 2004, Ap
C 103	14.2	74.7	32	6	US-10-939-294A-20975	Sequence 20975, A	C 176	14.2	74.7	64	6	US-10-939-294A-2015	Sequence 2015, Ap
C 104	14.2	74.7	32	6	US-10-939-294A-22460	Sequence 22460, A	C 177	14.2	74.7	64	6	US-10-939-294A-2025	Sequence 2025, Ap
C 105	14.2	74.7	32	6	US-10-939-294A-22558	Sequence 22558, A	C 178	14.2	74.7	64	6	US-10-939-294A-2027	Sequence 2027, Ap
C 106	14.2	74.7	32	6	US-10-939-294A-23225	Sequence 23225, A	C 179	14.2	74.7	64	6	US-10-939-294A-2046	Sequence 2046, Ap
C 107	14.2	74.7	32	6	US-10-939-294A-23305	Sequence 23305, A	C 180	14.2	74.7	64	6	US-10-939-294A-2051	Sequence 2051, Ap
C 108	14.2	74.7	32	6	US-10-939-294A-30727	Sequence 30727, A	C 181	14.2	74.7	64	6	US-10-939-294A-2061	Sequence 2061, Ap
C 109	14.2	74.7	32	6	US-10-939-294A-30728	Sequence 30728, A	C 182	14.2	74.7	64	6	US-10-939-294A-2071	Sequence 2071, Ap
C 110	14.2	74.7	32	6	US-10-939-294A-30959	Sequence 30959, A	C 183	14.2	74.7	64	6	US-10-939-294A-2122	Sequence 2122, Ap
C 111	14.2	74.7	32	6	US-10-939-294A-30960	Sequence 30960, A	C 184	14.2	74.7	64	6	US-10-939-294A-2125	Sequence 2125, Ap
C 112	14.2	74.7	32	6	US-10-939-294A-31015	Sequence 31015, A	C 185	14.2	74.7	64	6	US-10-939-294A-2135	Sequence 2135, Ap
C 113	14.2	74.7	32	6	US-10-939-294A-31016	Sequence 31016, A	C 186	14.2	74.7	64	6	US-10-939-294A-2140	Sequence 2140, Ap
C 114	14.2	74.7	32	6	US-10-939-294A-31748	Sequence 31748, A	C 187	14.2	74.7	64	6	US-10-939-294A-2165	Sequence 2165, Ap
C 115	14.2	74.7	32	6	US-10-939-294A-31749	Sequence 31749, A	C 188	14.2	74.7	64	6	US-10-939-294A-2166	Sequence 2166, Ap
C 116	14.2	74.7	32	6	US-10-939-294A-31756	Sequence 31756, A	C 189	14.2	74.7	64	6	US-10-939-294A-2170	Sequence 2170, Ap
C 117	14.2	74.7	32	6	US-10-939-294A-31757	Sequence 31757, A	C 190	14.2	74.7	64	6	US-10-939-294A-2173	Sequence 2173, Ap
C 118	14.2	74.7	32	6	US-10-939-294A-31818	Sequence 31818, A	C 191	14.2	74.7	64	6	US-10-939-294A-2188	Sequence 2188, Ap
C 119	14.2	74.7	32	6	US-10-939-294A-31819	Sequence 31819, A	C 192	14.2	74.7	64	6	US-10-939-294A-2196	Sequence 2196, Ap
C 120	14.2	74.7	32	6	US-10-939-294A-31836	Sequence 31836, A	C 193	14.2	74.7	64	6	US-10-939-294A-2212	Sequence 2212, Ap
C 121	14.2	74.7	32	6	US-10-939-294A-31837	Sequence 31837, A	C 194	14.2	74.7	64	6	US-10-939-294A-2223	Sequence 2223, Ap
C 122	14.2	74.7	32	6	US-10-939-294A-32150	Sequence 32150, A	C 195	14.2	74.7	64	6	US-10-939-294A-2225	Sequence 2225, Ap
C 123	14.2	74.7	32	6	US-10-939-294A-32151	Sequence 32151, A	C 196	14.2	74.7	64	6	US-10-939-294A-2250	Sequence 2250, Ap
C 124	14.2	74.7	32	6	US-10-939-294A-32176	Sequence 32176, A	C 197	14.2	74.7	64	6	US-10-939-294A-2266	Sequence 2266, Ap
C 125	14.2	74.7	32	6	US-10-939-294A-32177	Sequence 32177, A	C 198	14.2	74.7	64	6	US-10-939-294A-2264	Sequence 2264, Ap
C 126	14.2	74.7	32	6	US-10-939-294A-32382	Sequence 32382, A	C 199	14.2	74.7	64	6	US-10-939-294A-2332	Sequence 2332, Ap
C 127	14.2	74.7	32	6	US-10-939-294A-32383	Sequence 32383, A	C 200	14.2	74.7	64	6	US-10-939-294A-2337	Sequence 2337, Ap
C 128	14.2	74.7	32	6	US-10-939-294A-32386	Sequence 32386, A	C 201	14.2	74.7	64	6	US-10-939-294A-2403	Sequence 2403, Ap
C 129	14.2	74.7	32	6	US-10-939-294A-32387	Sequence 32387, A	C 202	14.2	74.7	64	6	US-10-939-294A-2428	Sequence 2428, Ap
C 130	14.2	74.7	32	6	US-10-939-294A-32478	Sequence 32478, A	C 203	14.2	74.7	64	6	US-10-939-294A-2466	Sequence 2466, Ap
C 131	14.2	74.7	32	6	US-10-939-294A-32479	Sequence 32479, A	C 204	14.2	74.7	64	6	US-10-939-294A-2464	Sequence 2464, Ap
C 132	14.2	74.7	32	6	US-10-939-294A-32536	Sequence 32536, A	C 205	14.2	74.7	64	6	US-10-939-294A-2545	Sequence 2545, Ap
C 133	14.2	74.7	32	6	US-10-939-294A-32537	Sequence 32537, A	C 206	14.2	74.7	64	6	US-10-939-294A-2554	Sequence 2554, Ap
C 134	14.2	74.7	32	6	US-10-939-294A-32722	Sequence 32722, A	C 207	14.2	74.7	64	6	US-10-939-294A-2573	Sequence 2573, Ap
C 135	14.2	74.7	32	6	US-10-939-294A-32723	Sequence 32723, A	C 208	14.2	74.7	64	6	US-10-939-294A-2664	Sequence 2664, Ap
C 136	14.2	74.7	48	6	US-10-939-294A-53	Sequence 53, Appl	C 209	14.2	74.7	64	6	US-10-939-294A-2811	Sequence 2811, Ap
C 137	14.2	74.7	48	6	US-10-939-294A-75	Sequence 85, Appl	C 210	14.2	74.7	64	6	US-10-939-294A-2821	Sequence 2821, Ap
C 138	14.2	74.7	48	6	US-10-939-294A-85	Sequence 85, Appl	C 211	14.2	74.7	64	6	US-10-939-294A-2873	Sequence 2873, Ap
C 139	14.2	74.7	48	6	US-10-939-294A-88	Sequence 88, Appl	C 212	14.2	74.7	64	6	US-10-939-294A-2914	Sequence 2914, Ap
C 140	14.2	74.7	48	6	US-10-939-294A-100	Sequence 100, Appl	C 213	14.2	74.7	64	6	US-10-939-294A-2914	Sequence 2914, Ap
C 141	14.2	74.7	48	6	US-10-939-294A-139	Sequence 139, Appl	C 214	14.2	74.7	64	6	US-10-939-294A-2935	Sequence 2935, Ap
C 142	14.2	74.7	48	6	US-10-939-294A-175	Sequence 175, Appl	C 215	14.2	74.7	64	6	US-10-939-294A-2967	Sequence 2967, Ap
C 143	14.2	74.7	48	6	US-10-939-294A-264	Sequence 264, Appl	C 216	14.2	74.7	64	6	US-10-939-294A-3050	Sequence 3050, Ap
C 144	14.2	74.7	48	6	US-10-939-294A-265	Sequence 265, Appl	C 217	14.2	74.7	64	6	US-10-939-294A-3059	Sequence 3059, Ap
C 145	14.2	74.7	48	6	US-10-939-294A-280	Sequence 280, Appl	C 218	14.2	74.7	64	6	US-10-939-294A-3091	Sequence 3091, Ap
C 146	14.2	74.7	48	6	US-10-939-294A-320	Sequence 320, Appl	C 219	14.2	74.7	64	6	US-10-939-294A-3142	Sequence 3142, Ap
C 147	14.2	74.7	48	6	US-10-939-294A-387	Sequence 387, Appl	C 220	14.2	74.7	64	6	US-10-939-294A-3219	Sequence 3219, Ap
C 148	14.2	74.7	48	6	US-10-939-294A-409	Sequence 409, Appl	C 221	14.2	74.7	64	6	US-10-939-294A-3228	Sequence 3228, Ap
C 149	14.2	74.7	48	6	US-10-939-294A-508	Sequence 508, Appl	C 222	14.2	74.7	64	6	US-10-939-294A-3238	Sequence 3238, Ap
C 150	14.2	74.7	48	6	US-10-939-294A-549	Sequence 549, Appl	C 223	14.2	74.7	64	6	US-10-939-294A-3319	Sequence 3319, Ap
C 151	14.2	74.7	48	6	US-10-939-294A-1563	Sequence 1563, Appl	C 224	14.2	74.7	64	6	US-10-939-294A-3339	Sequence 3339, Ap
C 152	14.2	74.7	48	6	US-10-939-294A-1573	Sequence 1573, Appl	C 225	14.2	74.7	64	6	US-10-939-294A-3354	Sequence 3354, Ap
C 153	14.2	74.7	64	6	US-10-939-294A-1636	Sequence 1636, Appl	C 226	14.2	74.7	64	6	US-10-939-294A-3369	Sequence 3369, Ap
C 154	14.2	74.7	64	6	US-10-939-294A-1639	Sequence 1639, Appl	C 227	14.2	74.7	64	6	US-10-939-294A-3379	Sequence 3379, Ap
C 155	14.2	74.7	64	6	US-10-939-294A-1654	Sequence 1654, Appl	C 228	14.2	74.7	64	6	US-10-939-294A-3385	Sequence 3385, Ap
C 156	14.2	74.7	64	6	US-10-939-294A-1666	Sequence 1666, Appl	C 229	14.2	74.7	64	6	US-10-939-294A-3458	Sequence 3458, Appl
C 157	14.2	74.7	64	6	US-10-939-294A-1662	Sequence 1662, Appl	C 230	14.2	74.7	64	6	US-10-939-294A-3501	Sequence 3501, Appl
C 158	14.2	74.7	64	6	US-10-939-294A-1670	Sequence 1670, Appl	C 231	14.2	74.7	64	6	US-10-939-294A-3552	Sequence 3552, Appl
C 159	14.2	74.7	64	6	US-10-939-294A-1672	Sequence 1672, Appl	C 232	14.2	74.7	64	6	US-10-939-294A-3579	Sequence 3579, Appl
C 160	14.2	74.7	64	6	US-10-939-294A-1690	Sequence 1690, Appl	C 233	14.2	74.7	64	6	US-10-939-294A-3646	Sequence 3646, Appl
C 161	14.2	74.7	64	6	US-10-939-294A-1691	Sequence 1691, Appl	C 234	14.2	74.7	64	6	US-10-939-294A-3719	Sequence 3719, Appl
C 162	14.2	74.7	64	6	US-10-939-294A-1695	Sequence 1695, Appl	C 235	14.2	74.7	64	6	US-10-939-294A-3759	Sequence 3759, Appl
C 163	14.2	74.7	64	6	US-10-939-294A-1709	Sequence 1709, Appl	C 236	14.2	74.7	64	6	US-10-939-294A-3766	Sequence 3766, Appl
C 164	14.2	74.7	64	6	US-10-939-294A-1718	Sequence 1718, Appl	C 237	14.2	74.7	64	6	US-10-939-294A-3783	Sequence 3783, Appl
C 165	14.2	74.7	64	6	US-10-939-294A-1729	Sequence 1729, Appl	C 238	14.2	74.7	64	6	US-10-939-294A-3855	Sequence 3855, Appl
C 166	14.2	74.7	64	6	US-10-939-294A-1736	Sequence 1736, Appl	C 239	14.2	74.7	64	6	US-10-939-294A-3866	Sequence 3866, Appl
C 167	14.2	74.7	64	6	US-10-939-294A-1752	Sequence 1752, Appl	C 240	14.2	74.7	64	6	US-10-939-294A-3921	Sequence 3921, Appl
C 168	14.2	74.7	64	6	US-10-939-294A-1767	Sequence 1767, Appl	C 241	14.2	74.7	64	6	US-10-939-294A-3951	Sequence 3951, Appl
C 169	14.2	74.7	64	6	US-10-939-294A-1803	Sequence 1803, Appl	C 242	14.2	74.7	64	6	US-10-939-294A-3960	Sequence 3960, Appl

C 243	14.2	74.7	64	6	US-10-939-294A-4018	Sequence 4018, Ap	C 316	13.8	72.6	25	7	US-11-136-527-317441	Sequence 317441, A
C 244	14.2	74.7	64	6	US-10-939-294A-4021	Sequence 4021, Ap	C 317	13.8	72.6	74	6	US-10-310-914A-14580	Sequence 14580, A
C 245	14.2	74.7	64	6	US-10-939-294A-4032	Sequence 4032, Ap	C 318	13.8	72.6	201	6	US-10-995-561-20338	Sequence 20338, A
C 246	14.2	74.7	64	6	US-10-939-294A-4048	Sequence 4048, Ap	C 319	13.8	72.6	201	6	US-10-995-561-20832	Sequence 20832, A
C 247	14.2	74.7	64	6	US-10-939-294A-4082	Sequence 4082, Ap	C 320	13.8	72.6	201	6	US-10-995-561-71810	Sequence 71810, A
C 248	14.2	74.7	64	6	US-10-939-294A-4095	Sequence 4095, Ap	C 321	13.8	72.6	201	6	US-11-124-368A-9891	Sequence 9891, Ap
C 249	14.2	74.7	64	6	US-10-939-294A-4106	Sequence 4106, Ap	C 322	13.8	72.6	201	7	US-11-124-368A-10099	Sequence 10099, A
C 250	14.2	74.7	64	6	US-10-939-294A-4111	Sequence 4111, Ap	C 323	13.8	72.6	333	7	US-11-136-527-2635	Sequence 2635, Ap
C 251	14.2	74.7	64	6	US-10-939-294A-4256	Sequence 4256, Ap	C 324	13.8	72.6	333	7	US-11-136-527-6731	Sequence 6731, Ap
C 252	14.2	74.7	64	6	US-10-939-294A-4301	Sequence 4301, Ap	C 325	13.8	72.6	632	7	US-11-123-896-40	Sequence 40, Appl
C 253	14.2	74.7	64	6	US-10-939-294A-4459	Sequence 4459, Ap	C 326	13.8	72.6	707	6	US-10-750-185-35767	Sequence 35767, A
C 254	14.2	74.7	64	6	US-10-939-294A-4605	Sequence 4605, Ap	C 327	13.8	72.6	707	6	US-10-750-623-35767	Sequence 35767, A
C 255	14.2	74.7	64	6	US-10-939-294A-4716	Sequence 4716, Ap	C 328	13.8	72.6	708	6	US-10-821-234-546	Sequence 546, App
C 256	14.2	74.7	64	6	US-10-939-294A-4808	Sequence 4808, Ap	C 329	13.8	72.6	730	6	US-10-750-185-50039	Sequence 50039, A
C 257	14.2	74.7	64	6	US-10-939-294A-4848	Sequence 4848, Ap	C 330	13.8	72.6	730	6	US-10-750-623-62340	Sequence 62340, A
C 258	14.2	74.7	64	6	US-10-939-294A-4981	Sequence 4981, Ap	C 331	13.8	72.6	776	6	US-10-750-185-55110	Sequence 55110, A
C 259	14.2	74.7	245	7	US-11-108-172-576	Sequence 576, App	C 332	13.8	72.6	776	6	US-10-750-623-55110	Sequence 55110, A
C 260	14.2	74.7	409	7	US-11-113-424-9	Sequence 9, Appl1	C 333	13.8	72.6	867	7	US-11-052-554A-732	Sequence 732, App
C 261	14.2	74.7	1037	7	US-11-055-822-829	Sequence 829, App	C 334	13.8	72.6	924	6	US-10-467-657-1713	Sequence 1713, Ap
C 262	14.2	74.7	1277	7	US-11-113-424-5	Sequence 5, Appl1	C 335	13.8	72.6	955	6	US-10-750-623-50039	Sequence 50039, A
C 263	14.2	74.7	1290	7	US-11-136-527-457	Sequence 2457, Ap	C 336	13.8	72.6	1016	7	US-11-000-463-154	Sequence 154, App
C 264	14.2	74.7	1320	7	US-11-136-527-6553	Sequence 6553, Ap	C 337	13.8	72.6	1026	7	US-11-000-463-626	Sequence 626, App
C 265	14.2	74.7	1322	7	US-11-113-424-7	Sequence 7, Appl1	C 338	13.8	72.6	1059	6	US-10-750-185-31832	Sequence 31832, A
C 266	14.2	74.7	1376	6	US-10-750-185-28729	Sequence 28729, A	C 339	13.8	72.6	1059	6	US-10-750-623-31832	Sequence 31832, A
C 267	14.2	74.7	1376	6	US-10-750-623-28729	Sequence 28729, A	C 340	13.8	72.6	1161	6	US-10-467-657-5521	Sequence 5521, Ap
C 268	14.2	74.7	1400	7	US-11-136-527-4257	Sequence 4257, Ap	C 341	13.8	72.6	1179	6	US-10-467-657-5519	Sequence 5519, Ap
C 269	14.2	74.7	1400	7	US-11-136-527-6579	Sequence 6579, Ap	C 342	13.8	72.6	1242	7	US-11-136-527-2607	Sequence 2607, Ap
C 270	14.2	74.7	1437	6	US-10-750-185-26092	Sequence 26092, A	C 343	13.8	72.6	1274	6	US-10-750-185-41766	Sequence 41766, A
C 271	14.2	74.7	1437	6	US-10-750-623-76092	Sequence 26092, A	C 344	13.8	72.6	1274	6	US-10-750-623-41766	Sequence 41766, A
C 272	14.2	74.7	1449	6	US-10-467-657-7773	Sequence 2773, Ap	C 345	13.8	72.6	1297	6	US-10-750-185-43439	Sequence 43439, A
C 273	14.2	74.7	1467	7	US-11-055-822-825	Sequence 825, App	C 346	13.8	72.6	1297	6	US-10-750-623-43439	Sequence 43439, A
C 274	14.2	74.7	1536	6	US-10-467-657-7771	Sequence 2771, Ap	C 347	13.8	72.6	1359	6	US-10-750-185-50206	Sequence 50206, A
C 275	14.2	74.7	1565	6	US-11-136-527-2665	Sequence 2665, Ap	C 348	13.8	72.6	1359	6	US-10-750-185-50206	Sequence 50206, A
C 276	14.2	74.7	2298	6	US-10-689-742-69	Sequence 69, Appl	C 349	13.8	72.6	1400	7	US-11-136-527-5480	Sequence 5480, Ap
C 277	14.2	74.7	2380	6	US-11-136-527-3376	Sequence 3376, Ap	C 350	13.8	72.6	1415	7	US-11-136-527-1384	Sequence 1384, Ap
C 278	14.2	74.7	2441	7	US-11-128-061-622	Sequence 622, App	C 351	13.8	72.6	1442	6	US-10-750-185-30006	Sequence 30006, A
C 279	14.2	74.7	3162	7	US-11-052-554A-535	Sequence 535, App	C 352	13.8	72.6	1442	6	US-10-750-623-30006	Sequence 30006, A
C 280	14.2	74.7	3269	7	US-11-136-527-2735	Sequence 2735, Ap	C 353	13.8	72.6	1442	6	US-10-750-185-48163	Sequence 48163, A
C 281	14.2	74.7	3342	7	US-11-136-527-2520	Sequence 2520, Ap	C 354	13.8	72.6	1556	6	US-10-750-623-48163	Sequence 48163, A
C 282	14.2	74.7	3753	7	US-11-136-527-4483	Sequence 2483, Ap	C 355	13.8	72.6	1556	6	US-10-750-623-48163	Sequence 48163, A
C 283	14.2	74.7	4053	7	US-11-136-527-161	Sequence 161, App	C 356	13.8	72.6	1556	6	US-10-750-185-47061	Sequence 47061, A
C 284	14.2	74.7	4456	7	US-11-136-527-745	Sequence 345, App	C 357	13.8	72.6	1556	6	US-10-750-623-47061	Sequence 47061, A
C 285	14.2	74.7	4860	6	US-10-971-982-1	Sequence 1, Appl1	C 358	13.8	72.6	1556	6	US-10-750-185-25408	Sequence 25408, A
C 286	14.2	74.7	5847	7	US-11-136-527-4990	Sequence 2490, Ap	C 359	13.8	72.6	1556	6	US-10-750-623-25408	Sequence 25408, A
C 287	14.2	74.7	6158	7	US-11-076-163-4	Sequence 4, Appl1	C 360	13.8	72.6	1671	6	US-10-750-185-56448	Sequence 56448, A
C 288	14.2	74.7	6200	6	US-10-895-011-1	Sequence 1, Appl1	C 361	13.8	72.6	1671	6	US-10-750-623-56448	Sequence 56448, A
C 289	14.2	74.7	6200	6	US-11-038-3172-1	Sequence 1, Appl1	C 362	13.8	72.6	1805	6	US-10-750-185-42356	Sequence 42356, A
C 290	14.2	74.7	9903	7	US-11-052-554A-517	Sequence 517, App	C 363	13.8	72.6	1805	6	US-10-750-623-42356	Sequence 42356, A
C 291	14.2	74.7	14172	7	US-11-075-185-2	Sequence 2, Appl1	C 364	13.8	72.6	1818	6	US-10-750-185-52521	Sequence 52521, A
C 292	14.2	74.7	31112	6	US-10-829-8268-41	Sequence 41, Appl	C 365	13.8	72.6	1818	6	US-10-750-623-52521	Sequence 52521, A
C 293	14.2	74.7	31276	6	US-10-829-8268-36	Sequence 36, Appl	C 366	13.8	72.6	1969	6	US-10-821-234-732	Sequence 232, App
C 294	14.2	74.7	31277	6	US-10-829-8268-40	Sequence 40, Appl	C 367	13.8	72.6	2507	6	US-10-750-185-50129	Sequence 50129, A
C 295	14.2	74.7	88421	7	US-11-205-109-1	Sequence 1, Appl1	C 368	13.8	72.6	2507	6	US-10-750-623-52017	Sequence 52017, A
C 296	14.2	74.7	165857	7	US-11-121-086-94	Sequence 34, Appl	C 369	13.8	72.6	2601	6	US-10-467-657-7229	Sequence 7229, Ap
C 297	14.2	74.7	171936	6	US-10-933-025-24	Sequence 24, Appl	C 370	13.8	72.6	2791	7	US-11-136-527-2316	Sequence 2316, Ap
C 298	14.2	74.7	212716	7	US-11-121-086-95	Sequence 95, Appl	C 371	13.8	72.6	3870	7	US-11-136-527-446	Sequence 466, App
C 299	14	73.7	600	7	US-11-136-527-4565	Sequence 4565, Ap	C 372	13.8	72.6	3958	7	US-11-136-527-150	Sequence 150, App
C 300	14	73.7	793	7	US-11-136-527-469	Sequence 469, App	C 373	13.8	72.6	4257	7	US-11-000-688-163	Sequence 163, App
C 301	14	73.7	1172	6	US-10-750-185-54668	Sequence 64668, A	C 374	13.8	72.6	4337	6	US-10-689-742-141	Sequence 141, App
C 302	14	73.7	1172	6	US-10-750-623-44688	Sequence 64688, A	C 375	13.8	72.6	4742	7	US-11-136-527-3256	Sequence 3256, App
C 303	14	73.7	2745	9	US-11-077-550-119	Sequence 119, App	C 376	13.8	72.6	5085	7	US-11-052-554A-467	Sequence 467, App
C 304	14	73.7	2835	9	US-11-077-550-121	Sequence 121, App	C 377	13.8	72.6	5571	7	US-11-128-061-708	Sequence 708, App
C 305	14	73.7	2853	9	US-11-077-550-117	Sequence 117, App	C 378	13.8	72.6	7117	7	US-11-082-544-34	Sequence 34, Appl
C 306	13.8	72.6	18	6	US-10-310-914A-1098119	Sequence 1098119, A	C 379	13.8	72.6	8280	7	US-11-000-688-641	Sequence 641, App
C 307	13.8	72.6	19	6	US-10-310-914A-528809	Sequence 528809, A	C 380	13.8	72.6	11554	6	US-11-000-688-1860	Sequence 860, App
C 308	13.8	72.6	19	6	US-10-310-914A-1098120	Sequence 1098120, A	C 381	13.8	72.6	11914	6	US-10-995-561-13425	Sequence 13425, A
C 309	13.8	72.6	19	9	US-11-101-244-1403148	Sequence 1403148, A	C 382	13.8	72.6	32355	7	US-11-136-912-2	Sequence 1, Appl1
C 310	13.8	72.6	19	9	US-11-083-784-1403148	Sequence 1403148, A	C 383	13.8	72.6	34794	7	US-11-136-912-2	Sequence 2, Appl1
C 311	13.8	72.6	20	6	US-10-310-914A-528810	Sequence 528810, A	C 384	13.8	72.6	34794	7	US-11-165-697-44	Sequence 44, Appl
C 312	13.8	72.6	25	6	US-10-310-914A-1359702	Sequence 1359702, A	C 385	13.8	72.6	70513	6	US-10-995-561-13368	Sequence 13368, A
C 313	13.8	72.6	25	6	US-11-121-849-998247	Sequence 998247, A	C 386	13.8	72.6	91561	6	US-11-124-368A-2896	Sequence 2896, App
C 314	13.8	72.6	25	7	US-11-136-527-317423	Sequence 317423, A	C 387	13.8	72.6	93112	6	US-10-995-561-13249	Sequence 13249, A
C 315	13.8	72.6	25	7	US-11-136-527-317439	Sequence 317439, A	C 388	13.8	72.6	96539	6	US-10-995-561-13289	Sequence 13289, A

C 389	13.8	72.6	98862	7	US-11-121-086-76	Sequence 76, Appl	C 462	13.2	69.5	300	7	US-11-194-246-458	Sequence 458, App
C 390	13.8	72.6	101001	6	US-10-995-561-13255	Sequence 13255, A	C 463	13.2	69.5	321	6	US-10-467-657-2627	Sequence 2627, Ap
C 391	13.8	72.6	110711	6	US-10-995-561-13254	Sequence 13254, A	C 464	13.2	69.5	318	7	US-11-041-471-9	Sequence 9, Appl1
C 392	13.8	72.6	1150936	6	US-10-995-561-13314	Sequence 13314, A	C 465	13.2	69.5	417	6	US-10-467-657-2629	Sequence 2629, Ap
C 393	13.8	72.6	150491	7	US-11-112-908-46	Sequence 46, Appl	C 466	13.2	69.5	510	7	US-11-128-061-2404	Sequence 2404, Ap
C 394	13.8	72.6	173602	7	US-11-121-086-25	Sequence 25, Appl	C 467	13.2	69.5	505	7	US-11-128-061-6046	Sequence 6046, Ap
C 395	13.8	72.6	177175	7	US-11-121-086-79	Sequence 79, Appl	C 468	13.2	69.5	525	7	US-11-136-527-990	Sequence 990, App
C 396	13.8	72.6	182190	7	US-11-121-086-102	Sequence 102, App	C 469	13.2	69.5	525	7	US-11-136-527-9086	Sequence 5086, App
C 397	13.8	72.6	189993	7	US-11-121-086-78	Sequence 78, Appl	C 470	13.2	69.5	548	6	US-10-965-694-28	Sequence 28, Appl
C 398	13.8	72.6	207908	7	US-11-112-908-21	Sequence 21, Appl	C 471	13.2	69.5	557	7	US-11-128-061-2281	Sequence 2281, Ap
C 399	13.8	72.6	207908	7	US-11-112-908-47	Sequence 47, Appl	C 472	13.2	69.5	545	7	US-10-750-185-244	Sequence 523, Ap
C 400	13.8	72.6	217623	7	US-11-112-908-33	Sequence 33, Appl	C 473	13.2	69.5	600	6	US-10-750-185-1121	Sequence 1121, Ap
C 401	13.8	72.6	217623	7	US-10-995-561-13216	Sequence 33, Appl	C 474	13.2	69.5	600	6	US-10-750-185-1121	Sequence 1196, Ap
C 402	13.8	72.6	380749	6	US-10-995-561-13274	Sequence 13274, A	C 475	13.2	69.5	600	6	US-10-750-185-1696	Sequence 244, App
C 403	13.8	72.6	415117	6	US-10-995-561-13274	Sequence 13274, A	C 476	13.2	69.5	600	6	US-10-750-623-244	Sequence 1121, Ap
C 404	13.8	72.6	1691140	7	US-11-091-018-1	Sequence 1, Appl1	C 477	13.2	69.5	600	6	US-10-750-623-1121	Sequence 1196, Ap
C 405	13.4	70.5	25	7	US-11-121-849-550566	Sequence 550566, A	C 478	13.2	69.5	600	6	US-10-750-623-1696	Sequence 1196, Ap
C 406	13.4	70.5	201	6	US-10-995-561-19689	Sequence 19689, A	C 479	13.2	69.5	600	7	US-11-136-527-7097	Sequence 7097, Ap
C 407	13.4	70.5	201	6	US-10-995-561-20641	Sequence 20641, A	C 480	13.2	69.5	683	6	US-10-750-623-46043	Sequence 46043, A
C 408	13.4	70.5	201	6	US-11-124-3684-3905	Sequence 3905, Ap	C 481	13.2	69.5	683	6	US-10-750-623-42963	Sequence 42963, A
C 409	13.4	70.5	351	7	US-11-198-847-10	Sequence 10, Appl	C 482	13.2	69.5	729	6	US-10-750-623-42963	Sequence 42963, A
C 410	13.4	70.5	675	6	US-11-198-847-10	Sequence 27114, A	C 483	13.2	69.5	729	6	US-10-750-623-42963	Sequence 36512, A
C 411	13.4	70.5	675	6	US-10-750-623-27114	Sequence 27114, A	C 484	13.2	69.5	752	6	US-10-750-623-36512	Sequence 36512, A
C 412	13.4	70.5	794	6	US-10-750-185-64100	Sequence 64100, A	C 485	13.2	69.5	824	6	US-10-750-623-42146	Sequence 42146, A
C 413	13.4	70.5	1030	6	US-10-750-623-54100	Sequence 64100, A	C 486	13.2	69.5	824	6	US-10-750-623-42146	Sequence 42146, A
C 414	13.4	70.5	1030	6	US-10-750-185-59580	Sequence 59580, A	C 487	13.2	69.5	824	6	US-10-750-623-42146	Sequence 42146, A
C 415	13.4	70.5	1030	6	US-10-750-623-59580	Sequence 59580, A	C 488	13.2	69.5	879	6	US-10-965-972-5	Sequence 5, Appl1
C 416	13.4	70.5	1095	6	US-10-750-185-36219	Sequence 36219, A	C 489	13.2	69.5	915	6	US-10-467-657-8481	Sequence 8481, Ap
C 417	13.4	70.5	1095	6	US-10-750-623-36219	Sequence 36219, A	C 490	13.2	69.5	915	6	US-10-467-657-351	Sequence 351, App
C 418	13.4	70.5	1317	6	US-10-750-185-58155	Sequence 58155, A	C 491	13.2	69.5	926	6	US-10-750-185-42626	Sequence 42626, A
C 419	13.4	70.5	1317	6	US-10-750-623-58155	Sequence 58155, A	C 492	13.2	69.5	926	6	US-10-750-623-42626	Sequence 42626, A
C 420	13.4	70.5	1347	6	US-10-858-730-135	Sequence 135, App	C 493	13.2	69.5	993	6	US-10-467-657-237	Sequence 237, App
C 421	13.4	70.5	1400	7	US-11-136-527-4251	Sequence 4251, Ap	C 494	13.2	69.5	993	6	US-10-467-657-1113	Sequence 1113, Ap
C 422	13.4	70.5	1431	6	US-10-525-710-33	Sequence 33, Appl	C 495	13.2	69.5	1030	6	US-10-750-185-31073	Sequence 31073, A
C 423	13.4	70.5	1490	6	US-10-750-185-54875	Sequence 54875, A	C 496	13.2	69.5	1030	6	US-10-750-623-31073	Sequence 163, App
C 424	13.4	70.5	1490	6	US-10-750-623-54875	Sequence 54875, A	C 497	13.2	69.5	1064	7	US-11-186-284-70	Sequence 70, Appl
C 425	13.4	70.5	1526	6	US-10-750-185-24606	Sequence 24606, A	C 498	13.2	69.5	1064	7	US-10-467-657-4439	Sequence 4439, Ap
C 426	13.4	70.5	1526	6	US-10-750-623-24606	Sequence 24606, A	C 499	13.2	69.5	1077	6	US-10-750-185-32669	Sequence 32669, A
C 427	13.4	70.5	1526	6	US-10-750-185-63954	Sequence 63954, A	C 500	13.2	69.5	1082	6	US-10-750-623-58202	Sequence 58202, A
C 428	13.4	70.5	1576	6	US-10-750-623-63954	Sequence 63954, A	C 501	13.2	69.5	1082	6	US-10-750-623-58202	Sequence 3605, A
C 429	13.4	70.5	1587	6	US-10-858-730-159	Sequence 159, App	C 502	13.2	69.5	1103	7	US-11-186-284-44	Sequence 44, Appl
C 430	13.4	70.5	1707	6	US-10-750-185-40165	Sequence 40165, A	C 503	13.2	69.5	1274	6	US-10-750-185-33605	Sequence 33605, A
C 431	13.4	70.5	1707	6	US-10-750-623-40165	Sequence 40165, A	C 504	13.2	69.5	1274	6	US-10-750-623-33605	Sequence 33605, A
C 432	13.4	70.5	1912	6	US-10-750-185-44452	Sequence 44452, A	C 505	13.2	69.5	1290	6	US-10-750-185-32669	Sequence 32669, A
C 433	13.4	70.5	1912	6	US-10-750-623-44452	Sequence 44452, A	C 506	13.2	69.5	1290	6	US-10-750-623-32669	Sequence 32689, A
C 434	13.4	70.5	2631	7	US-11-074-176-321	Sequence 321, App	C 507	13.2	69.5	1296	7	US-11-052-5544-593	Sequence 593, App
C 435	13.4	70.5	2649	7	US-11-074-176-87	Sequence 87, Appl	C 508	13.2	69.5	1296	7	US-10-750-185-25753	Sequence 25753, A
C 436	13.4	70.5	3005	6	US-10-750-185-39677	Sequence 39677, A	C 509	13.2	69.5	1300	6	US-10-750-623-25753	Sequence 25753, A
C 437	13.4	70.5	3005	6	US-10-750-623-39677	Sequence 155, App	C 510	13.2	69.5	1300	6	US-10-750-623-25753	Sequence 62654, A
C 438	13.4	70.5	3456	7	US-11-136-527-155	Sequence 155, App	C 511	13.2	69.5	1311	6	US-10-750-185-62654	Sequence 62654, A
C 439	13.4	70.5	3630	7	US-11-136-527-2328	Sequence 2328, App	C 512	13.2	69.5	1311	6	US-10-750-623-26254	Sequence 3, Appl1
C 440	13.4	70.5	4046	6	US-10-750-185-39325	Sequence 39325, A	C 513	13.2	69.5	1386	6	US-10-509-464-3	Sequence 4646, App
C 441	13.4	70.5	4046	6	US-10-750-623-39325	Sequence 39325, A	C 514	13.2	69.5	1400	7	US-11-136-527-6696	Sequence 6696, App
C 442	13.4	70.5	150038	7	US-11-121-086-23	Sequence 23, Appl	C 515	13.2	69.5	1402	6	US-10-995-561-85	Sequence 85, Appl1
C 443	13.4	70.5	150142	7	US-11-121-086-27	Sequence 27, Appl	C 516	13.2	69.5	1428	6	US-10-509-464-4	Sequence 4646, App
C 444	13.4	70.5	172111	7	US-11-121-086-28	Sequence 28, Appl	C 517	13.2	69.5	1440	6	US-10-750-185-55313	Sequence 55313, A
C 445	13.4	70.5	380749	6	US-10-995-561-13216	Sequence 13216, A	C 518	13.2	69.5	1440	6	US-10-750-623-55313	Sequence 48859, A
C 446	13.4	70.5	21	6	US-10-310-9144A-349146	Sequence 349146, A	C 519	13.2	69.5	1486	6	US-10-750-185-88859	Sequence 88859, A
C 447	13.2	69.5	24	6	US-10-310-9144A-23283	Sequence 23283, A	C 520	13.2	69.5	1486	6	US-10-750-623-88859	Sequence 56675, A
C 448	13.2	69.5	24	6	US-10-310-9144A-23283	Sequence 23283, A	C 521	13.2	69.5	1493	6	US-10-750-623-56675	Sequence 56675, A
C 449	13.2	69.5	25	7	US-11-121-849-145508	Sequence 145508, A	C 522	13.2	69.5	1551	6	US-10-750-623-77512	Sequence 77512, A
C 450	13.2	69.5	25	7	US-11-121-849-190228	Sequence 190228, A	C 523	13.2	69.5	1551	6	US-10-750-623-77512	Sequence 37512, A
C 451	13.2	69.5	25	7	US-11-121-849-241287	Sequence 241287, A	C 524	13.2	69.5	1551	6	US-10-750-623-77512	Sequence 43096, A
C 452	13.2	69.5	25	7	US-11-136-527-333999	Sequence 333999, A	C 525	13.2	69.5	1584	6	US-10-750-185-43096	Sequence 43096, A
C 453	13.2	69.5	64	6	US-10-310-9144A-13020	Sequence 13020, A	C 526	13.2	69.5	1584	6	US-10-750-623-43096	Sequence 61750, A
C 454	13.2	69.5	201	6	US-10-995-561-3388	Sequence 3388, App	C 527	13.2	69.5	1595	6	US-10-750-623-61750	Sequence 61750, A
C 455	13.2	69.5	201	6	US-10-995-561-3411	Sequence 3411, App	C 528	13.2	69.5	1595	6	US-10-750-623-61750	Sequence 50348, A
C 456	13.2	69.5	201	6	US-10-995-561-3429	Sequence 3429, App	C 529	13.2	69.5	1601	6	US-10-750-185-50348	Sequence 50348, A
C 457	13.2	69.5	201	6	US-10-995-561-23954	Sequence 23954, A	C 530	13.2	69.5	1601	6	US-10-750-623-50348	Sequence 60116, A
C 458	13.2	69.5	201	6	US-10-995-561-24005	Sequence 24005, A	C 531	13.2	69.5	1605	6	US-10-750-185-60116	Sequence 60116, A
C 459	13.2	69.5	201	6	US-10-995-561-24006	Sequence 24006, A	C 532	13.2	69.5	1605	6	US-10-750-623-60116	Sequence 59170, A
C 460	13.2	69.5	201	6	US-10-995-561-24011	Sequence 24011, A	C 533	13.2	69.5	1609	6	US-10-750-185-59170	Sequence 59170, A
C 461	13.2	69.5	201	6	US-10-995-561-24507	Sequence 24507, A	C 534	13.2	69.5	1609	6	US-10-750-623-59170	Sequence 59170, A

C 535	13.2	69.5	1672	7	US-11-102-240-17	Sequence 17, Appl	608	13	68.4	28920	6	US-10-829-826B-46	Sequence 46, Appl
536	13.2	69.5	1825	6	US-10-750-185-11468	Sequence 41468, A	609	13	68.4	29206	6	US-10-829-826B-56	Sequence 56, Appl
537	13.2	69.5	1825	6	US-10-750-623-11468	Sequence 41468, A	610	13	68.4	29201	6	US-10-829-826B-50	Sequence 50, Appl
C 538	13.2	69.5	1859	6	US-10-995-561-84	Sequence 84, Appl	611	13	68.4	29429	6	US-10-829-826B-60	Sequence 60, Appl
C 539	13.2	69.5	1905	7	US-11-000-463-687	Sequence 687, Appl	612	13	68.4	29430	6	US-10-829-826B-49	Sequence 49, Appl
540	13.2	69.5	1962	7	US-11-135-855-2	Sequence 2, Appl	613	13	68.4	29573	6	US-10-829-826B-71	Sequence 71, Appl
541	13.2	69.5	1971	6	US-10-750-185-28907	Sequence 28907, A	614	13	68.4	29573	6	US-10-829-826B-71	Sequence 71, Appl
542	13.2	69.5	1971	6	US-10-750-623-28907	Sequence 28907, A	615	13	68.4	29573	6	US-10-829-826B-71	Sequence 71, Appl
543	13.2	69.5	2057	6	US-10-750-185-43653	Sequence 43653, A	616	13	68.4	29705	6	US-10-829-826B-66	Sequence 66, Appl
544	13.2	69.5	2057	6	US-10-750-623-43653	Sequence 43653, A	617	13	68.4	29706	6	US-10-829-826B-66	Sequence 66, Appl
545	13.2	69.5	2185	6	US-10-131-826A-437	Sequence 437, App	618	13	68.4	29711	6	US-10-829-826B-65	Sequence 65, Appl
C 546	13.2	69.5	2319	7	US-11-000-463-215	Sequence 215, App	619	13	68.4	29711	6	US-10-829-826B-67	Sequence 67, Appl
547	13.2	69.5	2355	6	US-10-517-939-323	Sequence 323, App	620	13	68.4	29715	6	US-10-829-826B-69	Sequence 69, Appl
C 548	13.2	69.5	2376	6	US-10-467-657-6025	Sequence 6025, Ap	621	13	68.4	29725	6	US-10-829-826B-87	Sequence 87, Appl
C 549	13.2	69.5	2376	6	US-10-467-657-7527	Sequence 7527, Ap	622	13	68.4	29725	6	US-10-829-826B-47	Sequence 47, Appl
C 550	13.2	69.5	2379	7	US-11-103-957-93	Sequence 93, Appl	623	13	68.4	29725	6	US-10-829-826B-77	Sequence 77, Appl
551	13.2	69.5	2426	7	US-11-136-527-3001	Sequence 3001, Ap	624	13	68.4	29725	6	US-10-829-826B-81	Sequence 81, Appl
552	13.2	69.5	2479	7	US-11-136-527-3303	Sequence 3303, Ap	625	13	68.4	29727	6	US-10-829-826B-58	Sequence 58, Appl
553	13.2	69.5	2546	6	US-10-750-185-36741	Sequence 36741, A	626	13	68.4	29727	6	US-10-829-826B-78	Sequence 78, Appl
554	13.2	69.5	2546	6	US-10-750-623-36741	Sequence 36741, A	627	13	68.4	29727	6	US-10-829-826B-79	Sequence 79, Appl
555	13.2	69.5	2932	7	US-11-108-528-19	Sequence 19, Appl	628	13	68.4	29727	6	US-10-829-826B-80	Sequence 80, Appl
C 556	13.2	69.5	3074	7	US-11-136-527-2953	Sequence 2953, Ap	629	13	68.4	29727	6	US-10-829-826B-82	Sequence 82, Appl
C 557	13.2	69.5	3104	7	US-11-136-527-600	Sequence 600, App	630	13	68.4	29727	6	US-10-829-826B-83	Sequence 83, Appl
C 558	13.2	69.5	3307	7	US-11-136-527-2991	Sequence 2991, Ap	631	13	68.4	29727	6	US-10-829-826B-84	Sequence 84, Appl
C 559	13.2	69.5	3387	7	US-11-037-243-38	Sequence 38, Appl	632	13	68.4	29729	6	US-10-829-826B-86	Sequence 86, Appl
C 560	13.2	69.5	3432	6	US-10-467-657-1819	Sequence 1819, Ap	633	13	68.4	29732	6	US-10-829-826B-52	Sequence 52, Appl
C 561	13.2	69.5	3518	7	US-11-136-527-71	Sequence 71, Appl	634	13	68.4	29732	6	US-10-829-826B-52	Sequence 52, Appl
562	13.2	69.5	3954	6	US-10-750-185-38862	Sequence 38862, A	635	13	68.4	29736	6	US-10-829-826B-54	Sequence 54, Appl
563	13.2	69.5	4354	6	US-10-750-623-38862	Sequence 38862, A	636	13	68.4	29736	6	US-10-829-826B-55	Sequence 55, Appl
C 564	13.2	69.5	4969	6	US-10-947-249-182	Sequence 182, App	637	13	68.4	29736	6	US-10-829-826B-75	Sequence 75, Appl
565	13.2	69.5	6266	6	US-10-955-054A-24	Sequence 24, Appl	638	13	68.4	29740	6	US-10-829-826B-85	Sequence 85, Appl
C 566	13.2	69.5	6702	7	US-11-194-246-370	Sequence 370, App	639	13	68.4	29740	6	US-10-829-826B-57	Sequence 57, Appl
C 567	13.2	69.5	7029	7	US-11-055-309A-8	Sequence 8, Appl	640	13	68.4	29742	6	US-10-829-826B-61	Sequence 61, Appl
568	13.2	69.5	7029	7	US-11-136-527-1898	Sequence 1898, Ap	641	13	68.4	29745	6	US-10-829-826B-48	Sequence 48, Appl
569	13.2	69.5	8399	7	US-11-136-527-326	Sequence 326, App	642	13	68.4	29745	6	US-10-829-826B-88	Sequence 88, Appl
C 570	13.2	69.5	10405	6	US-10-995-561-83	Sequence 83, Appl	643	13	68.4	29751	6	US-10-829-826B-62	Sequence 62, Appl
C 571	13.2	69.5	10412	7	US-11-055-309A-7	Sequence 7, Appl	644	13	68.4	29751	6	US-10-829-826B-73	Sequence 73, Appl
572	13.2	69.5	17249	7	US-11-136-527-1941	Sequence 1941, Ap	645	13	68.4	29751	6	US-10-829-826B-85	Sequence 85, Appl
C 573	13.2	69.5	22165	6	US-10-972-764-1	Sequence 1, Appl	646	13	68.4	29751	6	US-10-829-826B-85	Sequence 85, Appl
574	13.2	69.5	65455	7	US-11-124-368A-2884	Sequence 2884, Ap	647	13	68.4	29751	6	US-10-829-826B-85	Sequence 85, Appl
C 575	13.2	69.5	100000	7	US-11-124-368A-2898	Sequence 2898, Ap	648	13	68.4	29751	7	US-11-132-142-3	Sequence 3, Appl
576	13.2	69.5	130733	7	US-11-121-086-19	Sequence 19, Appl	649	13	68.4	29751	7	US-11-132-142-4	Sequence 4, Appl
C 577	13.2	69.5	159138	6	US-10-995-561-13230	Sequence 1230, A	650	13	68.4	29751	6	US-10-829-826B-59	Sequence 59, Appl
C 578	13.2	69.5	159497	7	US-11-112-908-61	Sequence 61, Appl	651	13	68.4	139054	7	US-11-121-086-96	Sequence 96, Appl
C 579	13.2	69.5	160213	7	US-11-121-086-103	Sequence 103, App	652	13	68.4	214000	6	US-10-769-744-1	Sequence 1, Appl
C 580	13.2	69.5	164810	7	US-11-121-086-4	Sequence 4, Appl	653	12.8	67.4	18	6	US-10-310-914A-809389	Sequence 809389, Appl
581	13.2	69.5	172147	7	US-11-112-908-22	Sequence 22, Appl	654	12.8	67.4	18	6	US-10-310-914A-1098065	Sequence 1098065, Appl
582	13.2	69.5	179666	7	US-11-121-086-67	Sequence 67, Appl	655	12.8	67.4	19	8	US-11-101-244-1168983	Sequence 1168983, Appl
583	13.2	69.5	188682	7	US-11-112-908-23	Sequence 23, Appl	656	12.8	67.4	19	8	US-11-101-244-1308704	Sequence 1308704, Appl
584	13.2	69.5	199321	7	US-11-121-086-10	Sequence 10, Appl	657	12.8	67.4	19	9	US-11-101-244-1409854	Sequence 1409854, Appl
C 585	13.2	69.5	200628	7	US-11-121-086-62	Sequence 62, Appl	658	12.8	67.4	19	9	US-11-083-784-1168983	Sequence 1168983, Appl
586	13.2	69.5	268685	6	US-10-933-025-22	Sequence 22, Appl	659	12.8	67.4	19	9	US-11-083-784-1308704	Sequence 1308704, Appl
587	13.2	69.5	285300	6	US-10-857-180-6	Sequence 6, Appl	660	12.8	67.4	19	9	US-11-083-784-1409854	Sequence 1409854, Appl
588	13.2	69.5	1082144	7	US-11-117-787-211	Sequence 211, App	661	12.8	67.4	20	7	US-11-194-246-521	Sequence 521, App
589	13	68.4	19	6	US-10-310-914A-1289380	Sequence 1289380, Ap	662	12.8	67.4	21	7	US-11-157-743-29	Sequence 29, Appl
590	13	68.4	21	6	US-10-770-726-7509	Sequence 7509, Ap	663	12.8	67.4	22	6	US-10-310-914A-525784	Sequence 525784, Appl
591	13	68.4	22	6	US-10-310-914A-420882	Sequence 420882, Ap	664	12.8	67.4	22	6	US-10-310-914A-809462	Sequence 809462, Appl
592	13	68.4	384	6	US-10-310-914A-420899	Sequence 420899, Ap	665	12.8	67.4	22	6	US-10-310-914A-820227	Sequence 820227, Appl
C 593	13	68.4	599	7	US-11-136-527-1310	Sequence 1310, Ap	666	12.8	67.4	22	6	US-10-310-914A-820235	Sequence 820235, Appl
C 594	13	68.4	599	7	US-11-136-527-406	Sequence 5406, Ap	667	12.8	67.4	22	6	US-10-310-914A-1252705	Sequence 1252705, Appl
C 595	13	68.4	960	7	US-11-105-236-1	Sequence 1, Appl	668	12.8	67.4	25	6	US-10-310-914A-163814	Sequence 163814, Appl
C 596	13	68.4	1398	6	US-10-750-185-5906	Sequence 5906, A	669	12.8	67.4	25	6	US-10-310-914A-871708	Sequence 871708, Appl
C 597	13	68.4	1398	6	US-10-750-623-5906	Sequence 5906, A	670	12.8	67.4	25	7	US-11-121-849-114648	Sequence 114648, Appl
C 598	13	68.4	1398	6	US-10-750-623-5906	Sequence 5906, A	671	12.8	67.4	25	7	US-11-121-849-126923	Sequence 126923, Appl
C 599	13	68.4	1470	6	US-10-750-185-59680	Sequence 59680, A	672	12.8	67.4	25	7	US-11-121-849-252746	Sequence 252746, Appl
C 600	13	68.4	1504	6	US-10-750-623-59680	Sequence 59680, A	673	12.8	67.4	25	7	US-11-121-849-285463	Sequence 285463, Appl
601	13	68.4	1504	6	US-10-959-310-1	Sequence 1, Appl	674	12.8	67.4	25	7	US-11-121-849-370566	Sequence 370566, Appl
602	13	68.4	1504	6	US-11-131-212-65	Sequence 65, Appl	675	12.8	67.4	25	7	US-11-121-849-370643	Sequence 370643, Appl
C 603	13	68.4	1591	6	US-10-750-185-0662	Sequence 66662, A	676	12.8	67.4	25	7	US-11-121-849-378204	Sequence 378204, Appl
C 604	13	68.4	1591	6	US-10-750-623-0662	Sequence 66662, A	677	12.8	67.4	25	7	US-11-121-849-533426	Sequence 533426, Appl
C 605	13	68.4	2535	6	US-10-750-185-55542	Sequence 55542, A	678	12.8	67.4	25	7	US-11-121-849-577681	Sequence 577681, Appl
C 606	13	68.4	24774	6	US-10-750-623-55542	Sequence 55542, A	679	12.8	67.4	25	7	US-11-136-527-201983	Sequence 201983, Appl
607	13	68.4	24774	6	US-10-829-826B-53	Sequence 53, Appl	680	12.8	67.4	26	6	US-10-310-914A-944016	Sequence 944016, Appl

C 681	12.8	67.4	60	7	US-11-119-869-12	Sequence 12, Appl	C 754	12.8	67.4	1329	6	US-10-750-185-34351	Sequence 34351, A
C 682	12.8	67.4	62	6	US-10-310-914A-5080	Sequence 5080, Ap	C 755	12.8	67.4	1329	6	US-10-750-623-34351	Sequence 34351, A
C 683	12.8	67.4	74	6	US-10-310-914A-14712	Sequence 14712, A	C 756	12.8	67.4	1345	6	US-10-750-185-35829	Sequence 35829, A
C 684	12.8	67.4	201	6	US-10-995-561-26406	Sequence 26406, A	C 757	12.8	67.4	1345	6	US-10-750-623-35829	Sequence 35829, A
C 685	12.8	67.4	201	6	US-10-995-561-37716	Sequence 37716, A	C 758	12.8	67.4	1345	6	US-10-131-8266A-295	Sequence 295, App
C 686	12.8	67.4	201	6	US-10-995-561-37717	Sequence 37717, A	C 759	12.8	67.4	1368	6	US-10-750-185-30553	Sequence 30553, A
C 687	12.8	67.4	201	6	US-10-995-561-40368	Sequence 40368, A	C 760	12.8	67.4	1368	6	US-10-750-623-30553	Sequence 30553, A
C 688	12.8	67.4	201	6	US-10-995-561-40977	Sequence 40977, A	C 761	12.8	67.4	1391	6	US-10-750-185-33363	Sequence 33363, A
C 689	12.8	67.4	201	6	US-10-995-561-42268	Sequence 42268, A	C 762	12.8	67.4	1391	6	US-10-750-623-33363	Sequence 33363, A
C 690	12.8	67.4	201	6	US-10-995-561-70392	Sequence 70392, A	C 763	12.8	67.4	1402	6	US-10-750-185-28199	Sequence 28199, A
C 691	12.8	67.4	201	6	US-10-995-561-73417	Sequence 73417, A	C 764	12.8	67.4	1402	6	US-10-750-623-28199	Sequence 28199, A
C 692	12.8	67.4	201	7	US-11-124-368A-6656	Sequence 6656, Ap	C 765	12.8	67.4	1411	6	US-10-454-437-83	Sequence 83, Appl
C 693	12.8	67.4	201	7	US-11-124-368A-6669	Sequence 6669, Ap	C 766	12.8	67.4	1419	6	US-10-793-626-1901	Sequence 1901, Ap
C 694	12.8	67.4	430	7	US-11-136-527-117	Sequence 117, App	C 767	12.8	67.4	1424	6	US-10-750-185-60524	Sequence 60524, A
C 695	12.8	67.4	430	7	US-11-136-527-4213	Sequence 4213, Ap	C 768	12.8	67.4	1424	6	US-10-750-623-60524	Sequence 60524, A
C 696	12.8	67.4	469	6	US-10-454-437-173	Sequence 173, App	C 769	12.8	67.4	1480	6	US-10-485-517-110	Sequence 110, App
C 697	12.8	67.4	476	6	US-11-000-688-1041	Sequence 1041, Ap	C 770	12.8	67.4	1480	6	US-10-750-185-43131	Sequence 43131, A
C 698	12.8	67.4	530	7	US-11-000-688-1424	Sequence 1424, Ap	C 771	12.8	67.4	1480	6	US-10-750-623-43131	Sequence 43131, A
C 699	12.8	67.4	562	7	US-11-157-743-14	Sequence 14, Appl	C 772	12.8	67.4	1490	6	US-10-510-386-125	Sequence 125, App
C 700	12.8	67.4	573	7	US-11-120-308-161	Sequence 161, App	C 773	12.8	67.4	1507	7	US-11-054-385-1	Sequence 1, Appl
C 701	12.8	67.4	600	6	US-10-750-185-3377	Sequence 3377, Ap	C 774	12.8	67.4	1512	6	US-10-750-185-64254	Sequence 64254, A
C 702	12.8	67.4	600	6	US-10-750-185-5515	Sequence 3515, Ap	C 775	12.8	67.4	1512	6	US-10-750-623-64254	Sequence 64254, A
C 703	12.8	67.4	600	6	US-10-750-185-3997	Sequence 3997, Ap	C 776	12.8	67.4	1516	6	US-10-750-185-32191	Sequence 32191, A
C 704	12.8	67.4	600	6	US-10-750-623-3377	Sequence 3377, Ap	C 777	12.8	67.4	1516	6	US-10-750-623-32191	Sequence 32191, A
C 705	12.8	67.4	600	6	US-10-750-623-3515	Sequence 3515, Ap	C 778	12.8	67.4	1530	6	US-11-167-856-7	Sequence 7, Appl
C 706	12.8	67.4	600	6	US-10-750-623-3997	Sequence 3997, Ap	C 779	12.8	67.4	1536	6	US-10-467-657-2283	Sequence 2283, Ap
C 707	12.8	67.4	600	6	US-11-128-061-4181	Sequence 4181, Ap	C 780	12.8	67.4	1536	6	US-10-467-657-6591	Sequence 6591, Ap
C 708	12.8	67.4	604	6	US-10-454-437-87	Sequence 87, Appl	C 781	12.8	67.4	1539	6	US-10-467-657-5463	Sequence 5463, App
C 709	12.8	67.4	618	6	US-10-454-437-171	Sequence 171, App	C 782	12.8	67.4	1602	7	US-11-147-047-7	Sequence 7, Appl
C 710	12.8	67.4	642	6	US-10-750-185-63015	Sequence 63015, A	C 783	12.8	67.4	1642	6	US-10-750-185-52934	Sequence 52934, A
C 711	12.8	67.4	642	7	US-10-750-623-63015	Sequence 63015, A	C 784	12.8	67.4	1642	6	US-10-750-623-52934	Sequence 52934, A
C 712	12.8	67.4	689	7	US-11-214-371-1	Sequence 1, Appl	C 785	12.8	67.4	1670	9	US-11-082-389-147	Sequence 147, App
C 713	12.8	67.4	695	7	US-11-157-743-3	Sequence 3, Appl	C 786	12.8	67.4	1695	6	US-10-750-185-61053	Sequence 61053, A
C 714	12.8	67.4	726	7	US-11-137-465-5	Sequence 5, Appl	C 787	12.8	67.4	1695	6	US-10-750-623-61053	Sequence 61053, A
C 715	12.8	67.4	726	7	US-11-151-601-35	Sequence 35, Appl	C 788	12.8	67.4	1716	6	US-10-750-185-26455	Sequence 26455, A
C 716	12.8	67.4	732	7	US-11-137-465-6	Sequence 6, Appl	C 789	12.8	67.4	1716	6	US-10-750-623-26455	Sequence 26455, A
C 717	12.8	67.4	733	7	US-11-157-743-34	Sequence 34, Appl	C 790	12.8	67.4	1720	6	US-10-750-185-50197	Sequence 50197, A
C 718	12.8	67.4	733	6	US-10-750-185-63877	Sequence 63877, A	C 791	12.8	67.4	1720	6	US-10-750-623-50197	Sequence 50197, A
C 719	12.8	67.4	735	6	US-10-750-623-63877	Sequence 63877, A	C 792	12.8	67.4	1756	7	US-11-000-463-516	Sequence 516, App
C 720	12.8	67.4	754	7	US-11-102-240-141	Sequence 141, App	C 793	12.8	67.4	1765	6	US-10-750-185-53672	Sequence 53672, A
C 721	12.8	67.4	754	7	US-11-000-463-46	Sequence 46, Appl	C 794	12.8	67.4	1765	6	US-10-750-623-53672	Sequence 53672, A
C 722	12.8	67.4	789	6	US-10-793-626-2621	Sequence 2621, Ap	C 795	12.8	67.4	1777	6	US-10-750-185-56776	Sequence 56776, A
C 723	12.8	67.4	825	6	US-10-467-657-2241	Sequence 2241, Ap	C 796	12.8	67.4	1777	6	US-10-750-623-56776	Sequence 56776, A
C 724	12.8	67.4	922	9	US-11-082-389-149	Sequence 149, App	C 797	12.8	67.4	1796	9	US-11-082-389-385	Sequence 385, App
C 725	12.8	67.4	930	7	US-11-000-463-518	Sequence 518, App	C 798	12.8	67.4	1800	7	US-10-131-826A-309	Sequence 44, Appl
C 726	12.8	67.4	940	7	US-11-136-527-2477	Sequence 2477, Ap	C 799	12.8	67.4	1812	6	US-10-467-657-337	Sequence 337, App
C 727	12.8	67.4	957	7	US-11-151-601-33	Sequence 33, Appl	C 800	12.8	67.4	1872	6	US-10-467-657-337	Sequence 337, App
C 728	12.8	67.4	987	6	US-10-821-234-819	Sequence 819, App	C 801	12.8	67.4	1875	6	US-10-131-826A-359	Sequence 359, App
C 729	12.8	67.4	1015	7	US-11-157-743-33	Sequence 33, Appl	C 802	12.8	67.4	1875	7	US-11-136-527-76	Sequence 76, Appl
C 730	12.8	67.4	1085	6	US-10-883-512-131	Sequence 131, App	C 803	12.8	67.4	1895	6	US-10-995-561-296	Sequence 296, App
C 731	12.8	67.4	1106	6	US-10-750-185-60609	Sequence 60609, A	C 804	12.8	67.4	1926	6	US-10-750-185-44242	Sequence 44242, A
C 732	12.8	67.4	1106	6	US-10-750-623-60609	Sequence 60609, A	C 805	12.8	67.4	1926	6	US-10-750-623-44242	Sequence 44242, A
C 733	12.8	67.4	1111	6	US-10-750-185-30417	Sequence 30417, A	C 806	12.8	67.4	1955	6	US-10-995-561-293	Sequence 293, App
C 734	12.8	67.4	1111	6	US-10-750-185-30417	Sequence 30417, A	C 807	12.8	67.4	1962	7	US-11-136-527-3235	Sequence 3235, App
C 735	12.8	67.4	1116	7	US-11-087-177-36	Sequence 36, Appl	C 808	12.8	67.4	1991	6	US-10-995-561-295	Sequence 295, App
C 736	12.8	67.4	1116	7	US-11-087-177-38	Sequence 38, Appl	C 809	12.8	67.4	1994	6	US-10-750-185-39766	Sequence 39766, A
C 737	12.8	67.4	1123	6	US-10-131-826A-247	Sequence 247, App	C 810	12.8	67.4	1994	6	US-10-750-623-39766	Sequence 39766, A
C 738	12.8	67.4	1159	6	US-10-750-185-27344	Sequence 27344, App	C 811	12.8	67.4	1998	6	US-10-995-561-297	Sequence 297, App
C 739	12.8	67.4	1159	6	US-10-750-623-27344	Sequence 27344, A	C 812	12.8	67.4	2055	6	US-10-793-626-0097	Sequence 0097, A
C 740	12.8	67.4	1182	6	US-10-750-185-38683	Sequence 38683, A	C 813	12.8	67.4	2072	6	US-10-750-185-60407	Sequence 60407, A
C 741	12.8	67.4	1182	6	US-10-750-623-38683	Sequence 38683, A	C 814	12.8	67.4	2072	6	US-10-750-623-60407	Sequence 60407, A
C 742	12.8	67.4	1183	6	US-10-750-185-35875	Sequence 35875, A	C 815	12.8	67.4	2133	6	US-10-750-185-54637	Sequence 54637, A
C 743	12.8	67.4	1183	6	US-10-750-623-35875	Sequence 35875, A	C 816	12.8	67.4	2133	6	US-10-750-623-54637	Sequence 54637, A
C 744	12.8	67.4	1207	7	US-11-000-688-1042	Sequence 1042, Ap	C 817	12.8	67.4	2139	7	US-11-037-243-10	Sequence 10, Appl
C 745	12.8	67.4	1234	6	US-10-750-185-57599	Sequence 57599, A	C 818	12.8	67.4	2172	7	US-11-136-527-2696	Sequence 2696, App
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C 752	12.8	67.4	1326	6	US-10-750-185-47306	Sequence 47306, A	C 825	12.8	67.4	2392	7	US-11-147-047-8	Sequence 8, Appl
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ALIGNMENTS

RESULT 1
US-10-995-561-13240

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; Sequence 13240, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: C1001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13240
; LENGTH: 43436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13240
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Best Local Similarity 89.5%; Pred. No. 1.6e+02;
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RESULT 2
US-11-121-086-3/c

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; Sequence 3, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
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; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 168516
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-3
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Query Match 83.2%; Score 15.8; DB 7; Length 168516;
Best Local Similarity 89.5%; Pred. No. 1.7e+02;
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Qy 1 GCGCAGCAGAAAGCTCAGC 19
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RESULT 3
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; Sequence 104, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 104
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-104
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Query Match 81.1%; Score 15.4; DB 7; Length 186442;
Best Local Similarity 94.1%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GCACGAGAAAGCTCAGC 19
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RESULT 4
US-11-112-908-19

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; Sequence 19, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: HARRIS, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
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; LENGTH: 212805
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ORGANISM: Homo sapiens
US-11-112-908-19

Query Match 81.1%; Score 15.4; DB 7; Length 212805;
Best Local Similarity 94.1%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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RESULT 5

US-10-995-561-20739/c
Sequence 20739, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 20739
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-20739

Query Match 78.9%; Score 15; DB 6; Length 201;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAAGCTCAG 18
DB 104 CGCAGCAGAAAGCTCAG 88

RESULT 6

US-11-128-061-3102/c
Sequence 3102, Application US/11128061
Publication No. US2006003958A1
GENERAL INFORMATION:
APPLICANT: Melville, Mark W.
APPLICANT: Charlebois, Timothy S.
APPLICANT: Mounts, William M.
APPLICANT: Hann, Louane B.
APPLICANT: Sinacore, Martin S.
APPLICANT: Leonard, Mark W.
APPLICANT: Brown, Eugene L.
APPLICANT: Miller, Christopher P.
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
FILE REFERENCE: 01997.027701
CURRENT APPLICATION NUMBER: US/11/128,061
CURRENT FILING DATE: 2005-05-11
PRIOR APPLICATION NUMBER: US 60/570,425
PRIOR FILING DATE: 2004-05-11
NUMBER OF SEQ ID NOS: 7285
SOFTWARE: PatentIn version 3.3
SEQ ID NO 3102
LENGTH: 220
TYPE: DNA
ORGANISM: Cricetus griseus
US-11-128-061-3102

Query Match 77.9%; Score 14.8; DB 7; Length 220;
Best Local Similarity 88.9%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAAGCTCAGC 19
DB 168 CGCAGCAGCATCTCTCAGC 151

RESULT 7
US-11-128-061-6744/c
Sequence 6744, Application US/11128061
Publication No. US2006003958A1
GENERAL INFORMATION:
APPLICANT: Melville, Mark W.
APPLICANT: Charlebois, Timothy S.
APPLICANT: Mounts, William M.
APPLICANT: Hann, Louane B.
APPLICANT: Sinacore, Martin S.
APPLICANT: Leonard, Mark W.
APPLICANT: Brown, Eugene L.
APPLICANT: Miller, Christopher P.
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
FILE REFERENCE: 01997.027701
CURRENT APPLICATION NUMBER: US/11/128,061
CURRENT FILING DATE: 2005-05-11
PRIOR APPLICATION NUMBER: US 60/570,425
PRIOR FILING DATE: 2004-05-11
NUMBER OF SEQ ID NOS: 7285
SOFTWARE: PatentIn version 3.3
SEQ ID NO 6744
LENGTH: 220
TYPE: DNA
ORGANISM: Cricetus griseus
US-11-128-061-6744

Query Match 77.9%; Score 14.8; DB 7; Length 220;
Best Local Similarity 88.9%; Pred. No. 3.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAAGCTCAGC 19
DB 168 CGCAGCAGCATCTCTCAGC 151

RESULT 8

US-11-136-527-4036/c
Sequence 4036, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Myeth
APPLICANT: Mounts, William M.
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 4036
LENGTH: 1439
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1096)..(1096)
OTHER INFORMATION: n is a, c, g, or t
US-11-136-527-4036

Query Match 77.9%; Score 14.8; DB 7; Length 1439;
Best Local Similarity 88.9%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Db 120 GCGCAGCAGAAAGCTCAG 103

RESULT 9

US-10-750-185-35115/c
; Sequence 35115, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; PRIOR FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35115
; LENGTH: 1561
; TYPE: DNA
; ORGANISM: Bovine 1986680846117
US-10-750-185-35115

Query Match 77.9%; Score 14.8; DB 6; Length 1561;

Best Local Similarity 88.9%; Pred. No. 4e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Oy 1 GCGCAGCAGAAAGCTCAG 18

Db 1231 GCGCAGCAGAAAGCTCAG 1214

RESULT 10

US-10-750-623-35115/c
; Sequence 35115, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35115
; LENGTH: 1561
; TYPE: DNA
; ORGANISM: Bovine 1986680846117
US-10-750-623-35115

Query Match 77.9%; Score 14.8; DB 6; Length 1561;

Best Local Similarity 88.9%; Pred. No. 4e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Oy 1 GCGCAGCAGAAAGCTCAG 18

Db 1231 GCGCAGCAGAAAGCTCAG 1214

RESULT 11

US-11-136-527-2547/c
; Sequence 2547, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2547
; LENGTH: 2065
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2547

Query Match 77.9%; Score 14.8; DB 7; Length 2065;

Best Local Similarity 88.9%; Pred. No. 4.1e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Oy 1 GCGCAGCAGAAAGCTCAG 18

Db 771 GCGCAGCATAAACGACAG 754

RESULT 12

US-11-052-554A-645
; Sequence 645, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 645
; LENGTH: 2277
; TYPE: DNA
; ORGANISM: Treponema pallidum subsp. pallidum str. Nichols
US-11-052-554A-645

Query Match 77.9%; Score 14.8; DB 7; Length 2277;

Best Local Similarity 88.9%; Pred. No. 4.1e+02; 2; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 2;

Oy 1 GCGCAGCAGAAAGCTCAG 18

Db 1552 GCGCAGCATATCTCAG 1569

RESULT 13

US-11-136-527-2209/c
; Sequence 2209, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25

PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2209
LENGTH: 2327
TYPE: DNA
ORGANISM: Rattus norvegicus
US-11-136-527-2209

Query Match 77.9%; Score 14.8; DB 7; Length 2327;
Best Local Similarity 88.9%; Pred. No. 4.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGACGAGAAAGCTCAG 18
Db 151 GCGACGAGAAAGCTCAG 134

RESULT 14
US-11-157-389-1
Sequence 1, Application US/11157389
Publication No. US20050266481A1
GENERAL INFORMATION:
APPLICANT: Ruddy, David A.
TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
TITLE OF INVENTION: HEMOCHROMATOSIS GENE
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds, LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/157,389
FILING DATE: 20-June-2005
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/852,495
FILING DATE: 07-MAY-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0057-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 235033 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-11-157-389-1

Query Match 77.9%; Score 14.8; DB 7; Length 235033;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 2 CGCAGCAGAAAGCTCAG 19

Db 21637 CGCAGCAGAAAGCTCACC 21654

RESULT 15
US-11-157-389-2
Sequence 2, Application US/11157389
Publication No. US20050266481A1
GENERAL INFORMATION:
APPLICANT: Ruddy, David A.
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
TITLE OF INVENTION: HEMOCHROMATOSIS GENE
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds, LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/157,389
FILING DATE: 20-June-2005
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/852,495
FILING DATE: 07-MAY-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0057-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 237326 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-11-157-389-2

Query Match 77.9%; Score 14.8; DB 7; Length 237326;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAAGCTCACC 19
Db 21600 CGCAGCAGAAAGCTCACC 21617

RESULT 16
US-11-121-086-8
Sequence 8, Application US/11121086
Publication No. US20050266459A1
GENERAL INFORMATION:
APPLICANT: POULSEN, TIM S.
APPLICANT: NIELSEN, KIRSTEN V.
TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
FILE REFERENCE: 09138.6000-00000
CURRENT APPLICATION NUMBER: US/11/121,086
CURRENT FILING DATE: 2005-05-04

;; PRIOR APPLICATION NUMBER: 60/567,570
;; PRIOR FILING DATE: 2004-05-04
;; NUMBER OF SEQ ID NOS: 107
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO: 8
;; LENGTH: 246960
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-11-121-086-8

Query Match 77.9%; Score 14.8; DB 7; Length 246960;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGAGCAGAAACGTCAG 18
DB 198948 GCGAGCAGAAACGTCAG 198965

RESULT 17
US-10-995-561-13217/c
; Sequence 13217, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGIL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CLO01559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13217
; LENGTH: 44718
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13217

Query Match 76.8%; Score 14.6; DB 6; Length 44718;
Best Local Similarity 82.4%; Pred. No. 5.9e+02;
Matches 14; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCGAGCAGAAACGTCAG 18
DB 20355 GCGAGCAGAAACGTCAG 20339

RESULT 18
US-11-101-244-591191
; Sequence 591191, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmoon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 591191
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens

US-11-101-244-591191

Query Match 75.8%; Score 14.4; DB 8; Length 19;
Best Local Similarity 87.5%; Pred. No. 4.9e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18
DB 1 GCAGCAGAAACGTCAG 16

RESULT 19
US-11-083-784-591191
; Sequence 591191, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmoon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 591191
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-591191

Query Match 75.8%; Score 14.4; DB 9; Length 19;
Best Local Similarity 87.5%; Pred. No. 4.9e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTCAG 18
DB 1 GCAGCAGAAACGTCAG 16

RESULT 20
US-10-623-155-20
; Sequence 20, Application US/10623155
; Publication No. US20050261166A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Peckham, David W.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C20
; CURRENT APPLICATION NUMBER: US/10/623,155
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 449
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-623-155-20

Query Match 75.8%; Score 14.4; DB 6; Length 449;
Best Local Similarity 93.8%; Pred. No. 5.8e+02;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGCAGAAACGTAG 18
| | | | | | | | | | | | | | | | | | | | | |
Db 15 GCAGCAGAAACATCAG 30

RESULT 21
US-10-467-657-2197
; Sequence 2197, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2197
; LENGTH: 807
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2197

Query Match 75.8%; Score 14.4; DB 6; Length 807;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTC 16
| | | | | | | | | | | | | | | | | | | | | |
Db 124 GCGCAGCAGAAACGCC 139

RESULT 22
US-10-467-657-2199/c
; Sequence 2199, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 2199
; LENGTH: 828
; TYPE: DNA
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2199

Query Match 75.8%; Score 14.4; DB 6; Length 828;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTC 16
| | | | | | | | | | | | | | | | | | | | | |
Db 675 GCGCAGCAGAAACGCC 660

RESULT 23
US-10-750-185-52804/c
; Sequence 52804, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52804
; LENGTH: 1100
; TYPE: DNA
; ORGANISM: Bovine 19866881130900
US-10-750-185-52804

Query Match 75.8%; Score 14.4; DB 6; Length 1100;
Best Local Similarity 93.8%; Pred. No. 6.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAACGTCA 17
| | | | | | | | | | | | | | | | | | | | | |
Db 1058 CGCAGCAGAAACGTCA 1043

RESULT 24
US-10-750-623-52804/c
; Sequence 52804, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52804
; LENGTH: 1100
; TYPE: DNA
; ORGANISM: Bovine 19866881130900
US-10-750-623-52804

Query Match 75.8%; Score 14.4; DB 6; Length 1100;
Best Local Similarity 93.8%; Pred. No. 6.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CGCAGCAGAAACGTCA 17
| | | | | | | | | | | | | | | | | | | | | |
Db 1058 CGCAGCAGAAACGTCA 1043

RESULT 25
US-11-054-385-3/c
; Sequence 3, Application US/11054385

```
; Publication No. US20050257291A1
; GENERAL INFORMATION:
; APPLICANT: MIZUTANI, Masako
; APPLICANT: TANAKA, Yoshikazu
; APPLICANT: KUSUMI, Takaaki
; APPLICANT: SAITO, Kazuki
; APPLICANT: YAMAZAKI, Mani
; APPLICANT: ZHIZHONG, Gong
; TITLE OF INVENTION: GENES ENCODING PROTEINS HAVING TRANSGLYCOSYLATION
; FILE REFERENCE: 001560-350
; CURRENT APPLICATION NUMBER: US/11/054,385
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: US/09/147,955
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: PCT/JP98/03199
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: JP 9-200571
; PRIOR FILING DATE: 1997-07-25
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1474
; TYPE: DNA
; ORGANISM: Perilla frutescens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (29)..(1357)
US-11-054-385-3
```

```
Query Match          75.8%; Score 14.4; DB 7; Length 1474;
Best Local Similarity 93.8%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      3 GCAGCAGAAACGTCAG 18
Db      560 GCAGCAGAAACGTCGG 545
```

```
RESULT 26
US-10-750-185-34752/c
; Sequence 34752, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34752
; LENGTH: 1611
; TYPE: DNA
; ORGANISM: Bovine 19866880955174
US-10-750-185-34752
```

```
Query Match          75.8%; Score 14.4; DB 6; Length 1611;
Best Local Similarity 93.8%; Pred. No. 6.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      4 CAGCAGAAACGTCAGC 19
Db      959 CAGCAGAAACGTCAGC 944
```

```
RESULT 27
US-10-750-623-34752/c
; Sequence 34752, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34752
; LENGTH: 1611
; TYPE: DNA
; ORGANISM: Bovine 19866880955174
US-10-750-623-34752
```

```
Query Match          75.8%; Score 14.4; DB 6; Length 1611;
Best Local Similarity 93.8%; Pred. No. 6.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      4 CAGCAGAAACGTCAGC 19
Db      959 CAGCAGAAACGTCAGC 944
```

```
RESULT 28
US-11-136-527-2735/c
; Sequence 2735, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2735
; LENGTH: 3269
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2735
```

```
Query Match          75.8%; Score 14.4; DB 7; Length 3269;
Best Local Similarity 93.8%; Pred. No. 6.5e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      4 CAGCAGAAACGTCAGC 19
Db      2507 CAGCAGAAACGTCATC 2492
```

```
RESULT 29
US-10-310-914A-1098127
; Sequence 1098127, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Kvazat
```



```

; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1098127
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-1098127

Query Match
Best Local Similarity 78.9%; Score 14.2; DB 6; Length 21;
Matches 15; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 1 GCGCAGCAGCAGCGUCAGC 19

RESULT 30
US-11-121-849-537692
; Sequence 537692, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 537692
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-537692

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 7; Length 25;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 4 GCGCAGTACAAATCTCAGC 22

RESULT 31
US-10-939-294A-7598/C
; Sequence 7598, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7598
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
```

```

; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7598

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 32;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 31 GCCCAGCCGAAACGCGAGC 13

RESULT 32
US-10-939-294A-7602/C
; Sequence 7602, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7602
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7602

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 32;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 31 GCCCAGCCGAAACGCGAGC 13

RESULT 33
US-10-939-294A-7604/C
; Sequence 7604, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7604
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7604

Query Match
Best Local Similarity 74.7%; Score 14.2; DB 6; Length 32;
```

```
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 34
US-10-939-294A-7609/c
; Sequence 7609, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US/10/939,294A
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 60/502/731
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7609
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7609

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 35
US-10-939-294A-7615/c
; Sequence 7615, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7615
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7615

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
```

```
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 36
US-10-939-294A-7617/c
; Sequence 7617, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7617
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7617

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 37
US-10-939-294A-7626/c
; Sequence 7626, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7626
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7626

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCAGAAACGTCAGC 19
Db 31 GCCCAGCCGAAACGCGCAGC 13

RESULT 38
US-10-939-294A-7635/c
```

```
; Sequence 7635, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7635
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7635

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 39
US-10-939-294A-7640/c
; Sequence 7640, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7640
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7640

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 40
US-10-939-294A-7649/c
; Sequence 7649, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
```

```
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7649
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7649

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 41
US-10-939-294A-7680/c
; Sequence 7680, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7680
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7680

Query Match      74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCGCAGCGAAGACGTCAGC 19
Db      31 GCCCAGCGGAAGACGCGAGC 13

RESULT 42
US-10-939-294A-7728/c
; Sequence 7728, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
```

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; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7728
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7728

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 43
US-10-939-294A-7738/C
; Sequence 7738, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7738
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7738

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 44
US-10-939-294A-7798/C
; Sequence 7798, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7798
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7798

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 45
US-10-939-294A-7806/C
; Sequence 7806, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7806
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7806

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 46
US-10-939-294A-8302/C
; Sequence 8302, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8302
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
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; SEQ ID NO 7798
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7798

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 45
US-10-939-294A-7806/C
; Sequence 7806, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7806
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-7806

Query Match          74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      1 GCGCAGCGAAGCTCAGC 19
Db      31 GCCCAGCGGAACGGCAGC 13

RESULT 46
US-10-939-294A-8302/C
; Sequence 8302, Application US/10939294A
; Publication No. US20050266417A1
; GENERAL INFORMATION:
; APPLICANT: Barany, Francis
; APPLICANT: Turner, Daniel
; APPLICANT: Pingle, Maneesh
; APPLICANT: Pincas, Hanna
; TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
; FILE REFERENCE: 19603/4121 (CRF D-2995-02)
; CURRENT APPLICATION NUMBER: US/10/939,294A
; CURRENT FILING DATE: 2004-09-10
; PRIOR APPLICATION NUMBER: US 60/502/731
; PRIOR FILING DATE: 2003-09-12
; NUMBER OF SEQ ID NOS: 38895
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8302
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
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OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8302

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 47

US-10-939-294A-8387/C
Sequence 8387, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8387
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8387

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 48

US-10-939-294A-8487/C
Sequence 8487, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8487
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8487

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 49

US-10-939-294A-8534/C
Sequence 8534, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8534
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8534

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

RESULT 50

US-10-939-294A-8605/C
Sequence 8605, Application US/10939294A
Publication No. US20050266417A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Turner, Daniel
APPLICANT: Pingle, Maneesh
APPLICANT: Pincas, Hanna
TITLE OF INVENTION: Methods for identifying target nucleic acid molecules
FILE REFERENCE: 19603/4121 (CRF D-2995-02)
CURRENT APPLICATION NUMBER: US/10/939,294A
CURRENT FILING DATE: 2004-09-10
PRIOR APPLICATION NUMBER: US 60/502/731
PRIOR FILING DATE: 2003-09-12
NUMBER OF SEQ ID NOS: 38895
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8605
LENGTH: 32
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: oligonucleotide probe
US-10-939-294A-8605

Query Match 74.7%; Score 14.2; DB 6; Length 32;
Best Local Similarity 84.2%; Pred. No. 6.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCAGCGAAGCTCAGC 19
Db 31 GCCCAGCGGAACGGCAGC 13

Search completed: January 12, 2006, 01:35:02
Job time : 284.249 secs
